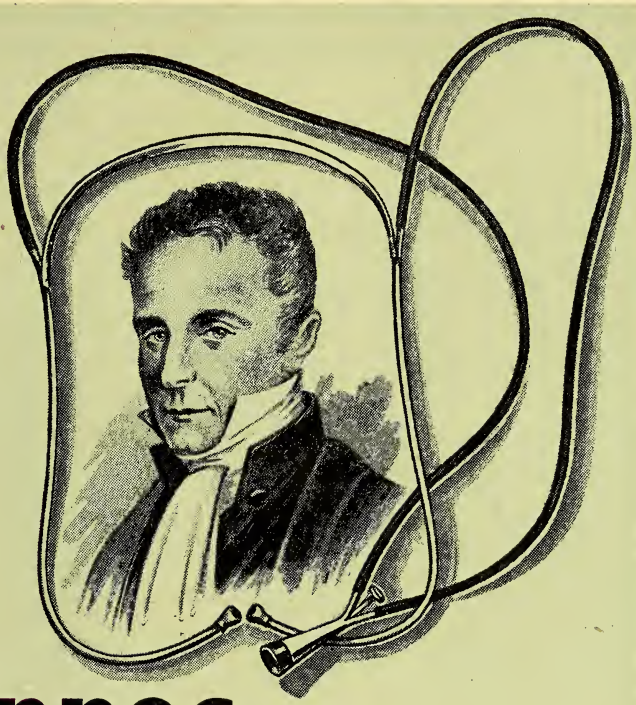
The
CHEMIST AND DRUGGIST
or RETAILER - WHOLESALER - MANUFACTURER

APRIL 17, 1948

SCIENCE AND PHARMACY SERIES No. 52



René-Théophile-Hyacinthe

Laennec

1781 • 1826

The impact of the discovery of the stethoscope on modern diagnosis cannot be over-estimated. This was the work of Laennec, one of the greatest clinicians of all time. His classical treatise on auscultation appeared in 1819 and the stethoscope he manipulated was a simple cylinder of paper. Born at Quimper in Britanny in 1781, he was a regimental surgeon in the French Revolution and died, an early victim of phthisis, in 1826.

BURGOYNE BURBIDGES
Established 1741. & COMPANY LIMITED, LONDON, E.6

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For your information

New Prices *for some* P., D. Products

P.A.T.A.

	Size	Minimum Retail Price (including Purchase Tax where applicable)
'Abidon' Capsules with Vitamin C	25's	* 4/9
" " " " "	100's	*16/6
'Benadryl' Capsules, 50 mgm.	50's	* 7/6
" " 25 mgm.	50's	* 4/6
" Elixir	4-oz.	* 3/-
" "	16-oz.	*10/-
Crysto-Vibex Solution (50 mgm. per c.c.)	5 c.c.	* 9/4
Dermalac	Large	4/2
Epanutin Capsules, 1½-grs.	100's	* 7/-
Euthymol Tooth Paste	Tube	1/6½
'Lertigon'	5 c.c.	*14/6
'Orygene' (Effervescent Mouth Wash Tablets)	100's	3/1
Rutin Tablets, 50 mgm. (C.T. 824)	25's	* 9/-
Shaving Cream, Parke-Davis	Tube	2/2½
Shaving Stick (Dermaseptic)	Each	1/10
" " "	Refill	1/6½
Synapoidin	10 c.c.	*42/-
Thrombin, Topical	5 c.c.	*13/-

IMPORTANT

Under the Purchase Tax (No. 1) Order, 1948, which came into force on April 1st, Several P., D. & Co. products were exempted from Purchase Tax. Full particulars will be supplied in due course.

* *Exempt from Purchase Tax*

Parke, Davis & Co., 50, Beak St., London, W.1.

Laboratories: Hounslow, Middlesex. *Inc. U.S.A., Liability, Ltd.*

helping to solve a

DIETETIC DILEMMA

Every pharmacist is well acquainted with those harassed parents whose children are "difficult" over meals. Food fads can become particularly serious these days when our normal diet offers so few alternatives . . . pointing to the need for a genuinely nourishing tonic such as Ostomalt. Ostomalt's delicious orange taste and total absence of "fishiness" have established it firmly as a children's favourite. Ostomalt contains the protective vitamins A and D at more than three times the concentration of ordinary cod-liver oil and malt.* It is thus most economical : teaspoonful doses are adequate.

GLAXO

OSTOMALT

*Each fluid drachm contains vitamin A, 1,100 i.u. ; vitamin D, 250 i.u. ; calcium glycerophosphate 0.375 grain. Concentrated orange juice.

Jars : ½ lb., 2/- and 1 lb., 3/6

Parcel No 10 : 2 doz. x ½ lb.—£1.12.0 tax free. **Parcel No. 11 :** 1 doz. x 1 lb.—£1.8.0 tax free.

Parcels available direct from Greenford only. Please quote wholesaler's name for invoicing purposes.

GLAXO LABORATORIES LTD. GREENFORD, MIDDLESEX. BYRon 3434

A

What the NEW SNOWFIRE PACKS *can do for you . . .*

Women are always tempted by the new and the lovely. And now Snowfire beauty preparations come in charming new packs exquisitely coloured, each showing the dainty silhouette illustrated here. Let the new Snowfire containers in your window and on your counter attract *new* customers, *new* cosmetic sales!

F. W. HAMPSHIRE & CO. LTD., SUNNYDALE, DERBY.

The richest sources of vitamins A and D—the livers of fish — have always had the disadvantages of strong taste and difficulty of mixing with milk. Crookes have now developed their new Halibut Oil *Emulsion* for Infants to overcome these difficulties. This new Emulsion, which is basically the highly potent Crookes Halibut Oil, mixes immediately with milk and is agreeable to take. Three drops in the infant's feed, for only 4 of the daily feeds, provides 3000 I.U. of vitamin A and 800 I.U. of vitamin D.

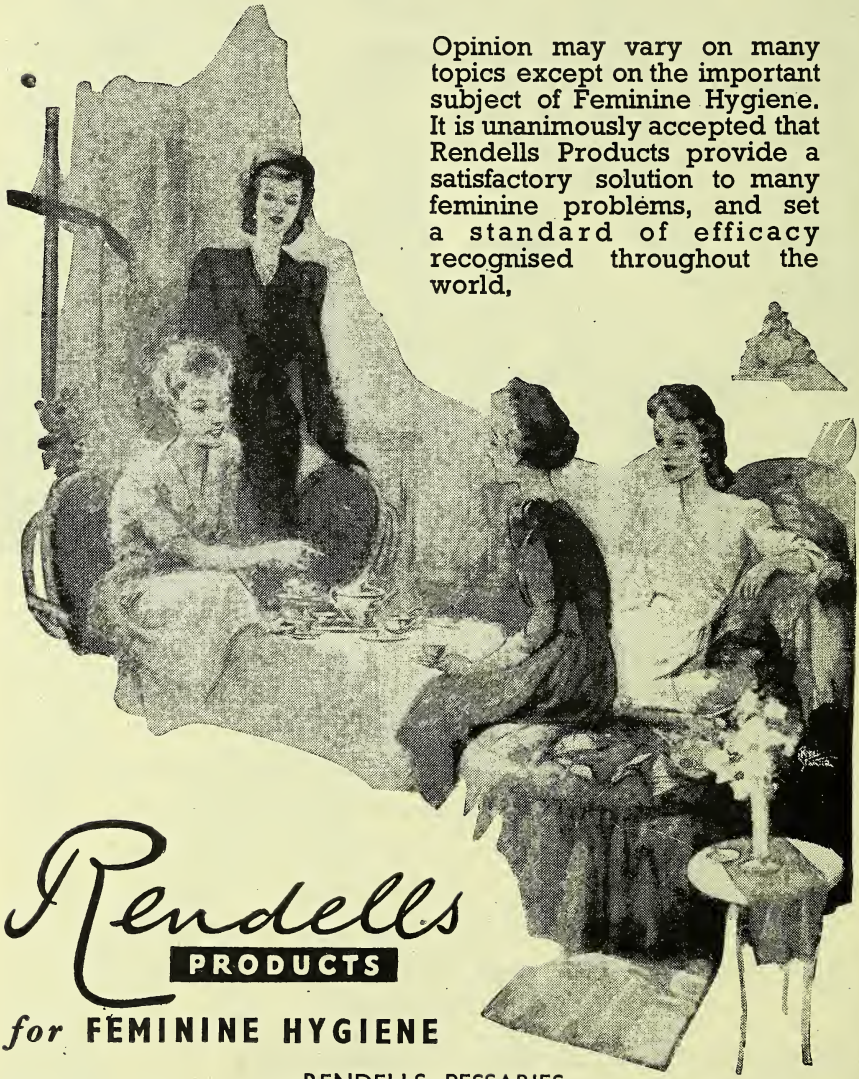
CROOKES HALIBUT OIL **EMULSION** FOR INFANTS

Obtainable only from Chemists — 3/6d a bottle. *Literature available upon request.*

THE CROOKES LABORATORIES LIMITED, PARK ROYAL, LONDON N.W.10

When Women Meet—

Opinion may vary on many topics except on the important subject of Feminine Hygiene. It is unanimously accepted that Rendells Products provide a satisfactory solution to many feminine problems, and set a standard of efficacy recognised throughout the world.



Rendells PRODUCTS

for FEMININE HYGIENE

RENDELLS PESSARIES

RENDELL GELS · MENSINOLE · OVASTOL · SANTRON · SILATEX

W. J. RENDELL LTD. HARDWICK HOUSE 161-5 ROSEBERY AVE, LONDON E.C.1

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THE B.D.H. BRAND OF ALKALINE EFFERVESCENT SALINE

Contains no sugar or sulphates.
Makes a pleasant invigorating summer drink.
A high-quality effervescent saline at a moderate price. Available in two sizes:
Trade 16/- doz. Retail 2/2 incl. tax.
Trade 28/- doz. Retail 3/10 incl. tax.

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Sal/T/3

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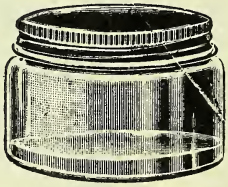
DIRECT FROM STOCK AT **REDUCED PRICES**



SQUAT POTS - Sizes: ¼ oz., 1 oz., 2 oz.
TALL POTS - Sizes: 1, 2, 4 & 16 oz.
MEDICALS - - Size: 4 oz.
OVALS - - - Size: ½ oz.
LAVENDERS - - Size: 4 oz.

AND MANY OTHERS

WRITE FOR OUR SPECIAL PRICE LIST

M. J. FECHER LTD.

Established 1891

121 HIGH STREET, SLOUGH, BUCKS. *Tel.:* Slough 21864

Confidence turns into Cash!

Phensic
Cassell's
Veno's
Germolene - Germoloids

The cash you take for these famous Veno products comes over your counter on a tide of goodwill. Don't stem this tide for lack of stock! Order now! TERMS: Combined orders amounting to £3 and upwards from qualified Chemists will be subject to 10% for display co-operation in addition to our usual 2½% discount for monthly account.

P.A.T.A.

Veno Drug Co. Ltd., Chester Rd. Manchester. 16.

In the service of Pharmacy

since **1839**

PILLS and TABLETS

COATED OR UNCOATED
STANDARD OR SPECIAL FORMULÆ
BULK OR PACKED

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CAPSULES · SOLVELLÆ
PHARMACEUTICALS
SUPPOSITORIES
Packed SPECIALITIES
'OWN NAME' Formulæ

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BIF
1948
OLYMPIA &
EARLS COURT
MAY 3-14
SEE OUR EXHIBIT
AT OLYMPIA
Stand No. E 53

ARTHUR H. COX & Co. LTD
BRIGHTON

SULPHONAMIDES

S & D 'SULFAMERAZINE'

Requires smaller or less frequent doses than Sulphadiazine. Equally effective. No more toxic. Supplied in bottles of 50, 100, 500 and 1,000 0.5 Gm. tablets, listed at 10/6, 20/3, 96/9 and 193/6 respectively. Also supplied as Powder (unsterilised) in 4-oz. and 16-oz. bottles listed at 44/6 and 175/- respectively.

S & D 'SULFATHALIDINE'

Phthalylsulphathiazole

For the treatment of colon infections. This new compound is indicated in the treatment of ulcerative colitis, regional ileitis, as a supplement to therapy of amoebiasis, giardiasis, and paratyphoid infections, and as an adjunct to intestinal surgery. Supplied in bottles of 50, 100 and 500 0.5 Gm. tablets, listed at 15/-, 26/3 and 96/- respectively. Also supplied as Powder (unsterilised) in 100 Gm. and 500 Gm. bottles, listed at 52/- and 191/6 respectively.

S & D 'SULFASUXIDINE'

Succinylsulphathiazole

Highly effective against bacillary dysentery and as a prophylactic in intestinal surgery. Supplied in bottles of 100 and 500 0.5 Gm. tablets, listed at 31/6 and 122/- respectively. Also supplied as Powder (unsterilised) in 100 Gm. and 500 Gm. bottles listed at 62/6 and 243/6 respectively.

S & D 'CREMOSUXIDINE'

Long clinical experience has established the value of 'Sulfasuxidine' in controlling the bacterial flora of the intestine and in the treatment of specific and non-specific diarrhoeas. In 'Cremosuxidine' the valuable properties of 'Sulfasuxidine' have been combined with the well-known toxin-neutralising and adsorbent properties of Pectin and Kaolin. 'Cremosuxidine' is an extremely palatable cream with a chocolate-mint flavour and is supplied in 4-oz. and 16-oz. bottles, listed at 9/- and 31/6 respectively.

SHARP & DOHME LTD., HODDESDON, HERTS

DESCRIPTIVE LITERATURE AND DOSAGE CARDS SUPPLIED ON REQUEST

GLANOID

OX GALL
POWDER

OX GALL
CONCENTRATED

BILE SALTS
(SODIUM TAUROGLYCOCHOLATE)

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GOOD SUPPLIES
AVAILABLE

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PRICES ON APPLICATION

THE
Armour Laboratories
(ARMOUR AND COMPANY LTD.)
LINDSEY STREET · LONDON · E.C.1
Telephone: Clerkenwell 9011
Telegrams: "Armosata-Phone," London

DOCTORS
ARE PRESCRIBING
D. 24. DAMANCY
AND
D. 25. DAMANCY
DEXTRO-AMPHETAMINE
SULPHATE

ELEGANTLY PRESENTED IN THE FORM
OF OUR SPECIALISED PRODUCTS—
DELLIPSOIDS

D.24. DEXTRO-AMPHETAMIN. SULPH. 5mgm.

Packs of	Retail Price	Trade per doz. net.	Exempt
25	2/-	14/-	from
100	5/9	39/-	P.T.

D.25. DEXTRO-AMPHETAMIN. SULPH. 5mgm.
WITH PHENOBARBITONE 33mgm. (gr. ½)

Packs of	Retail Price	Trade Per doz. net.	Exempt
25	2/6	16/6	from
100	7/-	48/-	P.T.

Prices per 1,000 on application

Telephone: BYRon 1440/1800
Telegrams: Damancy Harrow

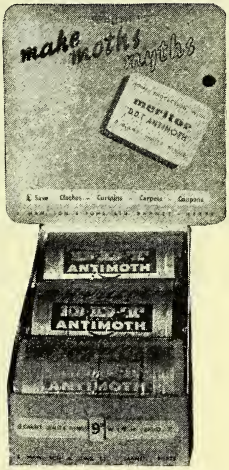
DAMANCY & CO. LTD HARROW MIDDX.
ESTABLISHED 1890

MAW OF BARNET

TRADE MARK

meritor
D.D.T. ANTIMOTH

- BRILLIANT NEW COUNTER DISPLAY OUTER FREE WITH ORDERS FOR 2 DOZEN
- INCREASED NATIONAL ADVERTISING
- COLOURFUL WRAPPINGS
- 8 LARGER RINGS TO A PACK



Reduced facsimile of advt.

MERITOR ANTIMOTH Advertising commences early in March and will continue throughout the Spring and Summer in the National Press and Periodicals with the addition of several Women's publications.

Wrappers are now in colour transpaper printed in Gold with striking design. Shape and size are different too and there is one more ring in each packet.

OVER 50,000,000 ADS. IN 1948

Stock up NOW to meet the demand

Prices: 6/- doz. Pkts. 6 doz. Lots 5/10 1 gross Lots 5/8 doz.

S. MAW, SON & SONS, LTD., BARNET, HERTS.

This is one of Pierre Pagès delightful drawings for Atkinsons nation-wide advertising under the title "Today in Bond Street."

BY APPOINTMENT
PERFUMERS TO H.M. THE KING
J. & E. ATKINSON LTD.

Fashion news is headline news. That is why Atkinsons advertising campaign for their Gold Medal Eau de Cologne is attracting so much attention. This delightful fashion series, "Today in Bond Street" is catching the eye of millions of women through the National Press and Magazines. The drawings, by Pierre Pagès the eminent Parisian artist, emphasize the fashionable appeal of Atkinsons Gold Medal Eau de Cologne.

ATKINSONS

GOLD MEDAL

EAU DE COLOGNE

J. & E. ATKINSON LIMITED, 24 OLD BOND STREET, LONDON, W. 1

AET 4-1062

Richard Daniel & Son LTD

PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

FOR CHEMISTS

Manufacturing Chemists

Head Office & Works Mansfield Road Derby Telephone 4266 (3 lines) Branch Warehouse Grosvenor St. Ashton-under-Lyne Telephone 2816 (2 lines)

Make 2 sales

WHERE YOU ONLY MADE 1 BEFORE

"Yes, Madam, here's Johnson's Baby Powder for after every bath . . . and you'll be needing Johnson's Baby Lotion for after nappie changes."

Johnson's **BABY LOTION** is a pleasant, antiseptic lotion for cleansing, soothing, lubricating and protecting a baby's skin from infection. Especially good for preventing "nappie rash." Will not stain clothes nor turn rancid.

JOHNSON & JOHNSON (GT. BRITAIN) LTD. SLOUGH & GARGRAVE

URGENT

Empty ANDREWS cases *please*

For some time past we have experienced considerable difficulty in despatching supplies of Andrews because of the acute shortage of cases.

The position is NOW SERIOUS

and unless customers holding Andrews empty cases return them immediately a hold-up in deliveries will result. Your co-operation is requested. Postage or carriage will be credited.

HOW TO SEND

Fold cases flat, flaps inside, tie up. Ready addressed gummed labels obtainable from our travellers, or direct from us. Up to 15 lbs., by post (*state cost on label*). Over 15 lbs., by rail, c/fwd (*or state cost on label*).

ANDREWS

SCOTT & TURNER, LTD.
Andrews House, Newcastle-on-Tyne, 2
T.11.

A NAME *and a* **STANDARD**

"SURE SHIELD" *PRODUCTS*

'SURE SHIELD'
IODISED THROAT TABLETS

'SURE SHIELD'
FRUIT LAXATIVES

'SURE SHIELD'
GLYCERINE of THYMOL PASTILLES

LOZENGES. PASTILLES. TABLETS.

IN BULK and ATTRACTIVE PACKS

DELIVERIES. The position is now much improved. Although we are producing to our full capacity we still have to take orders in rotation and are making every effort to maintain an equitable distribution of our PRODUCTS.

Thos. Guest & Co. Ltd. *Manufacturing Chemists*
Carruthers Street, Manchester, 4

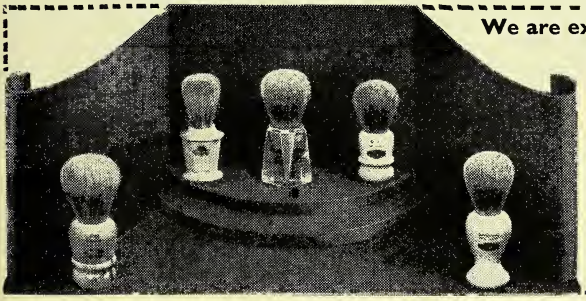
HEWLETT'S
ANTISEPTIC
CREAM

FOR ALL ABRASIONS
AND
ERUPTIONS OF THE SKIN

In blue enamelled tins, each in carton.
Also 1 lb., 2½ lb. and 7 lb. sizes.

33⅓% Discount to Pharmacist.

C. J. HEWLETT & SON, LTD.
Manufacturing Chemists,
35 - 43, CHARLOTTE ROAD, LONDON, E.C. 2
also at:
48, Carstairs Street, Glasgow, S.E.



We are exhibiting at the
BRITISH INDUSTRIES FAIR
and are showing an imposing Range of quality Shaving Brushes, which will appeal to discriminating buyers
YOU CANNOT BETTER BENWELL'S

★ *Make a note to visit*
STAND No. OLYMPIA D4
Wholesale & Export Only

H. G. BENWELL & Co. Ltd.
CRESCENT LANE, CLAPHAM COMMON
S·W·4

MILLAMALT

The VITAMIN
MALT FOOD

Sole Manufacturers With Vitamins (A. 6,500 I.U., D. 400 I.U.) per fl. oz.

JEFFREYS, MILLER & CO. Ltd. Leyland Mills, WIGAN, London Dept.: 19 Brookside Rd. N

Compressed TABLET SERVICE
WHOLESALE & EXPORT
Clients' own material operated if desired. Reasonable estimates.
The DALES ASPIRIN AND TABLETING CO. Barrows Lane, STEETON, Yorks.

NEW PRICES

INTERNATIONAL CHEMICAL CO. LTD.

as from 9th April, 1948

PRODUCT	OLD PRICE	NEW PRICE	NEW PURCHASE TAX PER DOZ.
'KOLYNOS' Dental Cream .	1/4½	**1/3**	3/–
'KOLYNOS' Dental Cream .	2/5	**2/2**	5/3
'KOLYNOS' Denture Powder	1/4½	**1/3**	3/–
'KOLYNOS' Denture Powder	2/5	**2/2**	5/3
'KOLYNOS' Shaving Cream	2/9	**2/6**	6/–
'REUDEL' Bath Salts . .	2/1	**1/10½**	4/6
'SY-LAC'	2/5	**2/2**	5/3
'SY-LAC'	3/11	**3/6½**	8/6
'FREEZONE' Corn Rings .	5	**4½**	10½

There is no change to the prices of the following I.C.C. products:—

'ANADIN,' 'ALKIA' Saltrates, 'BiSoDoL,' 'BISURATED' Magnesia, 'BISUROIDS,' 'FREEZONE' Corn Remover, 'KOLYNOS' Denture Fixative, Liquid 'KOLYNOS,' 'LIMESTONE' Phosphate, 'NEMOLIN' and 'PINEATE' Honey Cough-Syrup.

INTERNATIONAL CHEMICAL CO. LTD.
CHENIES STREET, LONDON, W.C.1.

'SULPHAMEZATHINE'

FOR THE CONTROL OF COCCIDIOSIS

'Sulphamezathine' will safeguard poultry against the scourge of caecal coccidiosis, which causes such heavy losses. Trials have shown that the death rate can be reduced by as much as 60-70%, simply by introducing 'Sulphamezathine' into the drinking water.

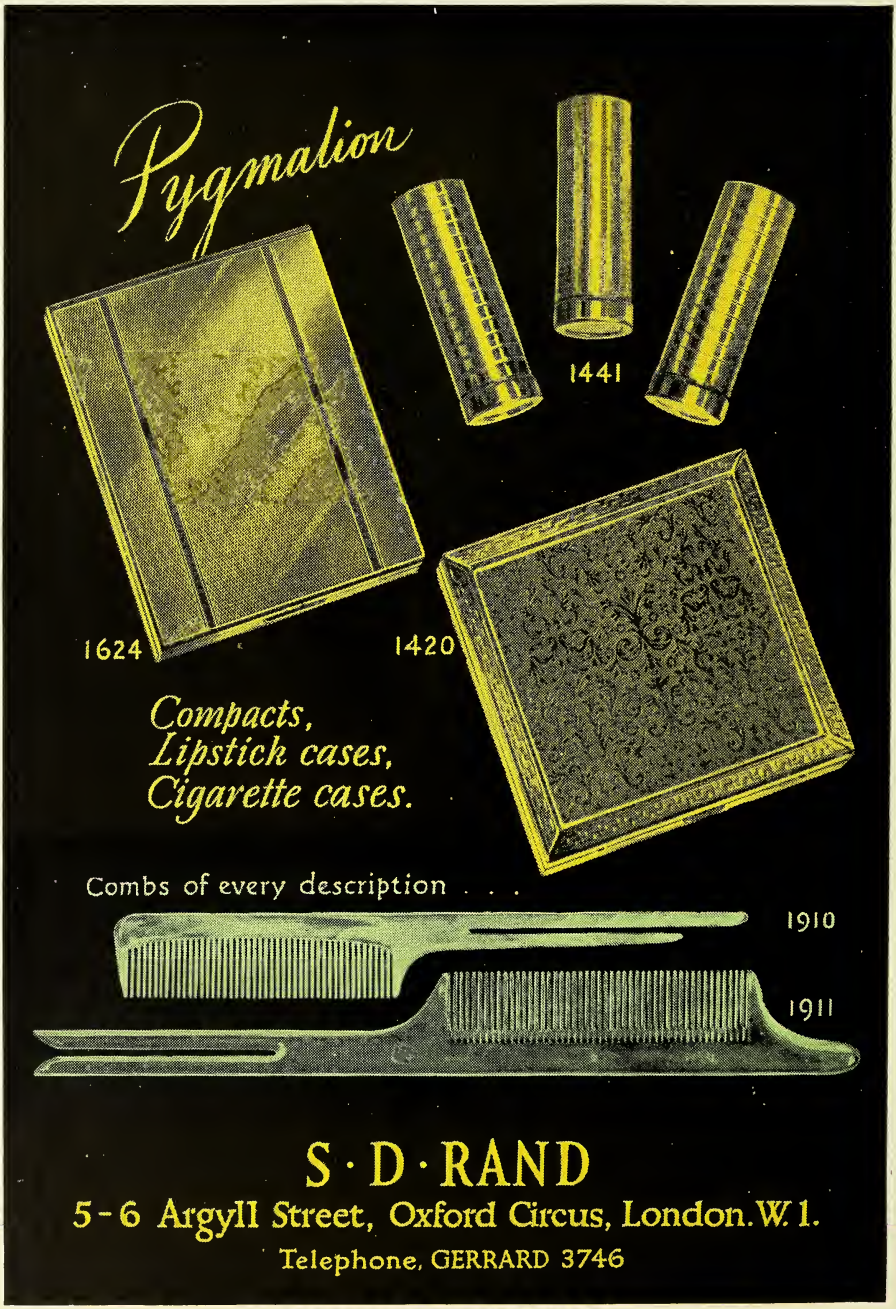
'Sulphamezathine' is supplied in a concentrated 16% solution which only needs dilution with tap water before use.

PACKINGS

'Sulphamezathine' Sodium Solution (16%) is issued in bottles of 4 and 20 fluid ounces.

IMPERIAL CHEMICAL [PHARMACEUTICALS] LTD.
THE RIDGE, BEECHFIELD ROAD, ALDERLEY EDGE, MANCHESTER

Ph.249



Order from your usual Wholesaler

Some weather experts forecast another fine holiday season during 1948. This means that Esoban Cream of Calamine, now manufactured by an improved process, will be in greater demand than ever before.

With the SPECIAL BONUS OFFER this will mean even larger profits.

ESoBAN is much more than a calamine treatment because it contains the unsaturated fatty acids necessary for healthy skin tissue.

Soothing to the most delicate skin and indicated for acne, eczema, erythema, herpes, urticaria and many irritant skin conditions.

ESōBAN

Cream OF CALAMINE

BONUS OFFER

Summer Season 1948

14 to the dozen ... 6 doz. and over
13 to the dozen ... 3 doz. and over
For a two weeks' window and counter display.

4 oz. bottles
2/9 inc. tax
Discount 33⅓%

Through all C.F. wholesalers P.A.T.A.

SOUTHON LABORATORIES LIMITED
88 UPPER RICHMOND ROAD, LONDON, S.W.15

Keep these
EUCRYL
post-budget prices for easy reference

DENTIFRICES — bonus one to the dozen for Window Displays.		Retail Price including Purchase Tax	Net Price to Retailers excl. Purchase Tax
Eucryl Toothpowder	(small)	9d.	5/3
,, ,,	(large)	1/3	8/5
Eucryl Denture Powder	(small)	9d.	5/3
,, ,, ,,	(large)	1/3	8/5
Eucryl Toothpaste		1/3	8/5
Eucryl Dental Plate Fixative	(small)	1/- No.P.T.	8/5
,, ,, ,, ,,	(large)	2/6 ,, ,,	21/-
OTHER LINES			
A.S.K. (Antiseptic Skin Cream)		2/9	18/-
A.R.O. (Anti-rheumatic Ointment)		2/9	18/-
Lysol Disinfectant	(4-ozs.)	—	5/6
,, ,,	(8-ozs.)	—	8/6
,, ,,	(1 Gal.)	—	10/-
LUCE'S PERFUMERY			
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APRIL 17, 1948

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NEWS OF THE WEEK

Licences for Imports from Germany.—The Board of Trade announces that, from April 19, applications for licences to import goods from any zone of Germany should be made to the Import Licensing Department, 189 Regent Street, London, W.1, on form ILD/A.

Inventions Bill.—The Development of Inventions Bill, which was introduced into the House of Lords on April 13, includes a proposal for establishing a National Research Development Corporation to develop and exploit inventions and discoveries by British scientists. The Bill is designed to make it possible for an inventor with no resources or commercial backing of his own to seek the assistance of the Corporation in developing an invention that is proved valuable.

Revised Export Targets.—The President of the Board of Trade (Mr. Harold Wilson) announced at a Press conference on April 13 the revised export targets for the end of 1948. The new target for the chemicals group (at end of 1948 prices) is reduced to £8,050,000 per month, compared with the former target of £9,000,000, or 184 per cent. of the volume of 1938 against 206 per cent. previously. Proprietary medicines exported are now to reach a monthly average of £700,000, an increase of £100,000 on the former target; the target for other drugs and medicines is unchanged at £1,450,000.

Health Minister and B.M.A. — The Minister of Health (Mr. Aneurin Bevan) and the Secretary of State for Scotland (Mr. Arthur Woodburn) met representatives of the British Medical Association on April 12 to discuss questions affecting the National Health Service. The questions, with the Minister's answers, are to be circulated to the medical profession by the B.M.A. The Minister said that the statement he made in the House of Commons on April 7 (see *C. & D.*, April 10, p. 453) represented, in the Government's view, the most reasonable modification to enable the service to start on July 5. He hoped that he would now have the immediate help of the doctors in the consultations which he had initiated, and would be initiating, with the medical profession.

Registration of Business Names.—The Business Names Rules, 1948 (S.I., 1948, No. 678, H.M. Stationery Office, price ninepence), which came into force on April 12, prescribe new forms for the registration of business names to meet the requirements of the Companies Act, 1947.

Chamber of Trade Conference. — The agenda for the annual conference of the National Chamber of Trade, to be held in Blackpool, April 24-29, includes resolutions protesting against the doubling of purchase tax on medicines, urging the relaxation of restrictions on shop window lighting, and suggesting opposition to the 1950 compulsory Census of Distribution.

Chemical Industry Employees.—Figures issued by the Ministry of Labour show that insured persons in Great Britain in employment in the chemical industry (excluding explosives, paints, oils and soaps, ink, etc.) in July 1947 totalled 123,700 male and 60,300 female workers. Insured persons normally engaged in the industry, but unemployed at that date, totalled 2,400, of whom 1,300 were male workers.

Retail Trade in February. — Sales of chemists' wares by large-scale retailers in February were for the second consecutive month maintained at 11.8 per cent. above the level of twelve months earlier. Stocks at the end of the month were, however, 16.5 per cent. below those of the corresponding period of 1947 (in all other trades, stocks increased). Independent retail chemists' sales were 5 per cent. higher on the year, against a January increase of 6 per cent.

Chemical Research Grants. — The Chemical Society announces that applications for grants which the Council of the Society is to award from its research fund in June, should be made on forms obtainable from the general secretary of the Society, Burlington House, Piccadilly, London, W.1, not later than May 10. Applications from Fellows will receive prior consideration. Income arising from a donation by the Worshipful Company of Goldsmiths is principally devoted to the encouragement of research in inorganic and metallurgical chemistry; income from the Perkin Memorial fund is applied to investigation of problems connected with the coal-tar and allied industries.

N.H.S. Orders and Regulations.—The National Health Service (Central Health Services Council and Standing Advisory Committees) Regulations, 1948 (S.I., 1948, No. 575), prescribe the periods of appointment for members of the Central Health Services Council and of Standing Advisory Committees. The N.H.S. (Transfer of Local Authority Functions) Regulations, 1948 (S.I., 1948, No. 567), provide for the transfer of properties and liabilities from the Common Council of the City of London and the Councils of Metropolitan Boroughs and County Districts, to local health authorities. The N.H.S. (Executive Council for the Isles of Scilly) Regulations, 1948 (S.I., 1948, No. 441), provide for the appointment of members and staff of the Executive Council for the Isles of Scilly and for the procedure to be adopted. The N.H.S. (Designation of Teaching Hospitals (No. 1)) Order, 1948, (S.I., 1948, No. 656) designates as teaching hospitals certain hospitals and groups of hospitals outside the Metropolitan area.

At the Physical Society's Exhibition.—Many of the exhibits at the 1948 exhibition of the Physical Society held in London recently reflected the increasing extent to which pharmaceutical science is becoming dependent on physics. Among the most recently completed exhibits was the first ultra-violet microscope to be made by Cooke, Troughton & Simms, Ltd., York, in consultation with members of the scientific staff of the National Institute for Medical Research, Hampstead. The instrument gives a 7,000-times magnification. An electron-microscope with three lens-systems, allowing the instrument to be made in a compact, easily-operated model, was being demonstrated by Metropolitan-Vickers Electrical Co., Ltd. More simple exhibits included a hand torch, for use in glass blowing, etc., that could be controlled with one hand when using gas with either oxygen or air (Chance Bros., Ltd.). Medical equipment included hearing aids of various circuit designs. Apparatus for routine laboratory control included absorptiometers, polarimeters, fluorimeters, and spectrophotometers (Hilger & Watts, Ltd., and others), and a variety of *p*H measuring and potentiometric titration apparatus (Cambridge Instrument Co., Ltd., and others). Kodak, Ltd., showed materials used for photographing nuclear particle tracks, and in studying biological problems by exposing photographic emulsion to tissue "stained" with radioactive isotopes. The Mullard research laboratories (Mullard Wireless Service Co., Ltd.) demonstrated the use of an ultrasonic wave to determine the particle size in a colloidal suspension, or an emulsion, or the strength of such preparations.

LOCAL NEWS

Princess Visits Factory. — Princess Elizabeth paid an informal visit to the Hale End factory of Halex, Ltd., on March 31. She was conducted round the works by Mr. C. F. Merriam (chairman of the company).

Fifeshire "Smash-and-Grab." — The plate-glass window of the pharmacy at 307 High Street, Cowdenbeath, Fifes, carried on by Mr. J. W. Barclay, M.P.S., was smashed recently and goods stolen.

Visit to Penicillin Factory.—Sir Alexander Fleming visited the Speke penicillin factory of the Distillers Co. (Biochemicals), Ltd., on March 31. Sir Alexander also inspected the pilot streptomycin plant now under construction at the factory.

Plymouth Officers. — At the annual meeting of the Plymouth Branch of the Pharmaceutical Society, held on April 9, the following officers were elected: *Chairman,* Mr. R. R. Ramsden; *Vice-chairman,* Mr. A. Park; *Secretary,* Mr. A. G. Madge, 7 Lisson Grove, Mutley, Plymouth; *Treasurer,* Mr. A. Downing.

Southampton Officers. — At the annual meeting of the Southampton Branch of the Pharmaceutical Society recently, the following officers were elected: *President,* Mr. W. M. Cox; *Vice-president,* Mr. W. G. Hutcheson; *Secretary,* Mr. K. F. Young, 25 Oxford Street, Southampton; *Treasurer,* Mr. F. Wicks.

Visit to Darwen Mills.—A party from the Junior Section of the Blackpool Branch of the Pharmaceutical Society recently visited the Darwen mills of Alexander Carus & Sons, Ltd. Before they left, arrangements were made for a cricket match between the section and the employees at the mills to be played during the summer.

Southend Officers. — At the annual meeting of the Southend-on-Sea Branch of the Pharmaceutical Society on April 8, the following officers were elected: Chairman, Mr. E. B. Bunting; *Vice-chairman,* Mr. C. W. Bruce; *Treasurer,* Mr. O. T. French; *Secretary,* Mr. B. Baker, M.P.S., 179 Hamlet Court Road, Westcliff-on-Sea.

Edinburgh Chemists' Golf.—In a competition for the Harkness Beaumont tankard played by the Edinburgh Chemists' Golf Club at Liberton recently, Messrs. J. B. Grosset, J. Ferguson and J. Budge tied, each with 69 net. The best scratch score was Mr. T. C. Gray, 80. A replay for the tankard will be held at Ingliston on April 21.

Croydon Annual Dinner. — At the annual dinner of the Croydon Branch of the Pharmaceutical Society held recently, Mr. W. O. McBryde (chairman), proposing "The Society," said much of the Society's success was due to its educational policy, which had ensured that a high standard of professional work was maintained. Mr. H. C. Shaw (vice-president of the Society) responding, said that there were now, for the first time, pharmacists at the Ministry of Health putting the Society's point of view at the highest level. Mr. W. H. Martin (president, Croydon Pharmacists' Association), proposing "The Guests," referred to the help in his business which the average chemist received from his wife. He also paid a tribute to the older members of the branch, including Mr. H. Cooper Neve (a former secretary). The dinner was arranged by Miss A. McCarthy (secretary) and members of the committee.

Eastbourne Nutrition Lecture. — Mr. W. F. J. Cuthbertson, Ph.D., B.Sc., A.R.I.C. (Glaxo Laboratories, Ltd.), recently addressed the Eastbourne Branch of the Pharmaceutical Society on nutrition. He first traced the history of the study of nutrition and then expounded the modern calorific approach to the subject. Mr. T. Jones asked why penicillin was not very effective by mouth. The speaker suggested that penicillin was destroyed in its passage by penicillinase-producing organisms, little, if any, reaching the gut. Mr. D. Marchant, who asked if beer was nutritious, was told that the beer of olden days, consisting largely of a watery suspension of yeast, was definitely nutritious. The modern preparation, whilst still of some value, could not compare with the earlier preparation. Mr. T. Searle asked why, as iron was necessary for health, so much must be administered per dose to ensure retention of only a small portion. In his reply, Dr. Cuthbertson said that the body had limited powers of excreting iron. If iron was injected there was no increased elimination. The amount in the body must be regulated by controlled absorption; if none was required, none was absorbed. If there were sufficient iron in the body, traces would be present in cells of the gut, preventing further absorption. Even at its greatest, iron absorption was slight, and large doses were necessary if body stores were to be built up rapidly. A vote of thanks was proposed by Mr. L. Carter and seconded by Mr. S. Allsop.

ULSTER PROTEST ON PURCHASE TAX

Mr. J. C. Acheson (president) was in the chair at the March meeting of the Executive Committee of the Ulster Chemists' Association in Belfast. The secretary (Miss A. E. Strachan) submitted a draft letter to the Chancellor of the Exchequer protesting against the imposition of purchase tax on drugs and medicines. The letter was approved and it was directed that copies should be sent to the Ministers of Health in Great Britain and Northern Ireland (see *C. & D.*, March 13, p. 328).

Approach to Ministry

A letter from the secretary of the National Pharmaceutical Union stated that the question of seeking some amendment of the present control under the Goods and Services Price Control Order had been under close consideration. When an approach had been made to the Board of Trade, however, figures could not be produced to show that the cost of running a business had increased in terms of pre-war costs compared with current costs, although overhead expenses had all risen considerably. It was decided to accept the Ministry of Health's proposal to increase the purchase tax allowance of 4½ per cent. to 9 per cent. on all National Health Insurance prescriptions dispensed on or after December 1, 1947. It was pointed out, however, that the allowance of 9 per cent. of the total amount due to each chemist would be subject to the deduction of the cost of insulin, liver extract, vaccines, serums and penicillin and its preparations. From a complaint received it appeared that not all members were adhering strictly to the Penicillin Regulations under the 1947 Act, and the secretary was instructed to send out a reminder that penicillin may be supplied to the public only on the prescription of a doctor, dentist or veterinary surgeon, and to point out that laxity was a breach of the regulations. The following were elected members: Ulster Chemists, Ltd., 40 North Street, Belfast (branch); Thomas McGurk, 116 Newtownards Road, Belfast (branch); James McMillan, 40 Main Street, Portrush; A. O'Brien, 7 Market Street, Limavady. The following, who had been approved at a previous meeting of the Associates' Committee, were elected to associate membership of the U.C.A.: Messrs. E. A. Bourke, T. J. Quinn (pharmaceutical chemists); Mr. J. J. Graham (assistant); Miss E. V. O'Neill and Mr. M. Harte (apprentices).

At a meeting on April 6, the Committee decided to renew protests to the authorities against the supply to the public of baby foods, medicines, etc., by welfare clinics at greatly reduced prices. It was pointed out that clinics were originally intended only to give advice. The committee also decided to protest to certain manufacturers against cutting retailers' profits by reducing retail prices although purchase tax had been increased. The president (Mr. J. C. Acheson, Ph.C.), who was in the chair, congratulated Messrs. John McGregor and W. R. McNabb on their appointment to the General Health Services Board. Votes of sympathy were passed with the relatives of the late Messrs. D. L. Kirkpatrick, James Glendinning and H. Smith. The following were elected to membership: Mr. J. Walker, Abercorn Square, Strabane; Mr. R. Millar, 33 Eglinton Street, Portrush; and Mr. V. Rankin, 22 Kingsgate Street, Coleraine. The following, who had been approved at a previous meeting of the Associates' Committee, were elected associate members: Mrs. Margaret Russell (assistant) and Miss M. Shutt (apprentice). A revised schedule of dispensing prices for penicillin and its preparations was approved for distribution to members, and a subcommittee was appointed to revise the list of tablets, etc.

DUBLIN STUDENTS' VISIT

A football team which had been sponsored by the Dublin Pharmaceutical Chemists' and Students' Social Committee visited Belfast recently to play a team of pharmaceutical students from Northern Ireland. The Dublin team, captained by Mr. Tom O'Keefe, was accompanied by several officers of the Social Committee, including Lieutenant Seamus Fox (chairman) and Messrs. W. Gardiner (treasurer), T. Cosgrove, Liam Byrne, Gerry O'Connor and John O'Grady. The Pharmaceutical Society of Ireland was represented by Mr. J. G. Coleman (registrar). The Belfast students' team won by one goal to nil. Later the visitors from Dublin were guests at a dinner at which Mr. C. W. Young (senior lecturer in pharmaceutics, Belfast College of Technology) presided. He welcomed the visitors and hoped that the visit would be repeated. Mr. Coleman said he was glad to see such friendly relations between pharmacy students of the north and south.

TOPICAL REFLECTIONS

Cautionary Labels in the U.S.A.

A news paragraph (p. 456) announces that in the United States the words "Use only as directed" are now prohibited in advertisements of "foods, drugs, cosmetics and devices which are potentially dangerous," and that instead "a full disclosure of the facts is required." This is a matter of considerable interest. A subtle difference between American and British diction is disclosed by the employment of the word "devices" in this statement. The only American dictionary that I have begins its definition of "device" as follows: "Something invented and constructed for a special purpose; an instrument . . . contrivance." This is obviously the meaning intended in the notice of prohibition. When the Poisons Rules made under the Pharmacy and Poisons Act, 1933, appeared in 1935, it was found that the Secretary of State, on the advice of the Poisons Board, had in the Seventh Schedule substituted for the designation "Poison" such phrases as "Caution. It is dangerous to exceed the stated dose," the idea being, we were told, to avoid making "Poison" too familiar on labels. The U.S. Federal Trade Commission has apparently decided that the American public is insufficiently protected by the general statement cited, and requires a disclosure of composition that will be considered "full." I need not attempt an analysis of Schedule VII of our Poisons Rules: the point is that the action of the U.S. Commission marks a distinct tightening of control over goods that are regarded by it as potentially dangerous.

The Cry of "Monopoly!"

In your editorial comment on the recently introduced Monopoly (Inquiry and Control) Bill (p. 469) you remark with justice that "it would serve no useful purpose to surmise to what extent and by what methods this legislation will be operated." (Nor, I may perhaps add, need we recall the conflicts between James the First and his Parliament, and Charles the First and his Parliament, over grants of monopolies). It is pertinent, however, to inquire what has happened to occasion the intrusion—for so I regard it—of this controversial measure into a session already heavily burdened with business of greater urgency. So recently as August 1931 a Committee appointed by the Lord Chancellor and the President of the Board of Trade of the day reported in unambiguous terms on price maintenance. It will be remembered by many of your readers that the Proprietary Articles Trade Association submitted evidence, and that its policy was fully vindicated by the Committee. You summed up the findings in this sentence (*C. & D.*, 1931.II.257): "After . . . the evidence of thirty-nine witnesses or deputations, besides written statements from about 100 organisations and individuals, the Committee came to the unanimous decision that it cannot recommend any alteration of the law." With typical caution, the Committee pointed out that the trade practices forming the subject of its terms of reference "impinge upon a much wider problem—the problem of monopolistic combinations and trusts—which is outside the scope of our reference."

Veterinary Surgeons Bill

In contrast to the Bill just mentioned, the Veterinary Surgeons Bill (p. 464) reads like a well-planned attempt to place the work of qualified veterinary practitioners on a better basis. Its fate in the competition for parliamentary time is uncertain. For my part, I regard veterinary surgeons as forming the fifth of the professions devoted to healing. In your issue of August 12, 1939 (the last occasion to date on which you had sufficient space for a full-scale Educational Number) you gave particulars of courses of study for the membership diploma of the Royal College of Veterinary Surgeons; mention was made, among other things, of veterinary science degrees granted by various universities, including those of Edinburgh, Liverpool and London. One provision of the new Bill is of special interest to pharmacists: the Council of the Royal College is to be empowered to appoint persons to visit universities and colleges and to report on the conditions of study and training found there. It will be noted that the liberty of owners of animals, and of persons employed by such owners, is not materially curtailed by the Bill as it stands. This is as it should be. Anyone in touch with the agricultural community knows that it is not unusual for a farmer or a trusted assistant of his to sit up all night tending a sick animal. The law of the use of titles relating to veterinary practice has been clarified in several decided cases, details of which are summarised in your 1926 *Diary*. **Xrayser**

COMPANY NEWS

B.D.J. (England), Ltd. (P.C.).—Capital £1,000. To carry on business of dealers in patent medicines, etc. First directors are not named. R. R. M. Carter, secretary, 151 Oxford Street, London, W.1.

David Norman, Ltd. (P.C.).—Capital £100. To carry on the business of chemists' sundriesmen, dealers in drugs, medicines, etc. Norman J. Eastwood and Constance H. Eastwood, directors. R.O.: 105 Station Road, Edgware.

R. A. Over, Ltd. (P.C.).—Capital £12,000. To carry on the business of manufacturing and general chemists, etc. Ronald A. Over, M.P.S., and Joel W. H. Perrin, directors. R.O.: 664 Oxford Road, Reading.

Barlow (Chemist), Ltd. (P.C.). — Capital £3,500. To carry on the business of chemists, etc. Joseph A. Bamforth, M.P.S., and Thomas E. Webster, directors. R.O.: 29 Market Street, Pocklington, Yorks.

James W. Boyle, Ltd. (P.C.).—Registered in Edinburgh. Capital £2,000. To acquire the business of chemist and druggist carried on at 66 West High Street, Forfar. Charlotte H. B. Boyle and Harry D. Wilson, directors.

Adam Bryden (Chemist), Ltd. (P.C.).—Capital £3,000. To acquire the business of chemists carried on by the trustees of the late A. Bryden, at 35 Michaelson Road, Barrow-in-Furness. John Bryden, M.P.S., and Robert Bryden, directors.

Caley's (Chemist), Ltd. (P.C.). — Capital £2,000. To acquire the business of drug store proprietors carried on at 360 Grand Drive, Raynes Park, London, S.W.20. Claud H. Caley and Ruby P. Caley, and Tudor B. Owen, M.P.S., directors.

Hampson & James, Ltd. (P.C.).—Capital £5,000. To acquire the business of chemists and druggists carried on at 25 High Street, Rhyl, and 1 Vaughan Street, Rhyl. James R. R. Hampson, M.P.S., and Gomer M. James, M.P.S., directors.

Kiddiefoam Co., Ltd. (P.C.).—Capital £100. To carry on the business of manufacturers of toilet requisites, beauty preparations, etc. Eric Hayman, John E. H. Fildes-Moss and Gabriel I. Brandon, directors. R.O.: 50 Poultry Chambers, Queen Victoria Street, London, E.C.4.

Rolls Razor, Ltd.—Net profit for 1947 amounts to £129,364, against £115,805. Dividend on deferred shares is maintained at 100 per cent.

British Oxygen Co., Ltd.—Net profit for 1947 amounts to £721,583, after provision for taxation and depreciation, against £518,858 for the previous year. The distribution is maintained at 20 per cent. by a final dividend of 12 per cent.

P. H. Galloway, Ltd.—Net profit for 1947, after taxation to date, amounts to £21,656, against £20,124. Dividend is maintained at 15 per cent.; £17,458 is carried forward compared with £9,827 last year.

Imperial Chemical Industries, Ltd.—Net profit for 1947, after provision for taxation, etc., amounts to £7,646,933, against £7,171,109. A final ordinary dividend is recommended of 7 per cent., making 10 per cent. for the year, the same as in 1946.

BUSINESS CHANGES

Mr. Lachlan Maclean, C.B., O.B.E., has been appointed Divisional Food Officer, London, for the Ministry of Food, as from May 1, in succession to Sir Basil A. Kemball-Cook, K.C.M.G., C.B., who is resigning.

Mr. Kenneth J. Adams, M.P.S., 1 Whiteladies Gate, Clifton, Bristol, 8, has acquired the Cotham Brow Pharmacy, 54 Freemantle Road, Cotham, Bristol, 6, formerly carried on by Mr. H. W. Bryan, M.P.S.

Mrs. Phyllis Connolly, M.Sc., is to continue the business at Waterloo Place, Londonderry, formerly carried on by her father, the late Mr. James Glendinning (a former president of the Pharmaceutical Society of Northern Ireland). Miss Peggy Coulter, M.P.S.N.I., will act as manager.

The Export Promotion Department, Board of Trade, has been transferred to Thames House North, Millbank, London, S.W.1 (Telephone: Victoria 9040). The Exhibitions Branch (which deals with the British Industries Fair) is remaining at 35 Old Queen Street, London, S.W.1, but now has the following telephone number: Abbey 9040.

C. & D. DISPENSING PRICE LIST

The following changes complete the list of monthly alterations for March and reductions due to Budget remissions of tax.

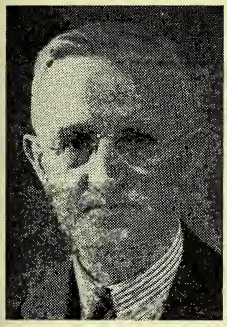
Cost		*Due allowance has been made for purchase tax at rates current at April 5 in both cost and dispensing prices*	Dispensing price		
d.	*per*		4 oz. *s. d.*	1 oz. *s. d.*	1 dr. *s. d.*
			gr. x		
96	oz.	Quinin. salicylas ..	0 5½	—	2 3
81	oz.	Quininæ sulphas	0 5	—	1 11
81	oz.	Quininæ sulphas acidus ..	0 5	—	1 11
58	dr.	Quininæ valer.	gr.	—	0 2
16	oz.	Spt. pulegii ..	—	2 4	0 4
93	oz.	Strychnina S.1.(4)	—	—	2 3
89	oz.	Strychnin. hyd. S.1.(4)	—	—	2 1
82	oz.	Strychnin. sulphas S.1.(4)	—	—	1 11
59	oz.	Theobromina ..	—	—	1 5
126	oz.	Theophyllina ..	—	—	3 0
15	oz.	Tinct. amni visnagæ ..	—	2 3	0 4½
125	lb.	Tinct. ergotæ ammon. S.1.(5)	4 5	1 3	0 2
21	oz.	Ung. atropinæ S.1.(5)	—	3 1	0 5
34	oz.	Urethanum ..	—	5 0	0 9½

BIRTH

JENSEN.—At Hove, recently, Nora (née Grudgings), M.P.S., the wife of Eric A. Jensen, M.P.S. (managing director, K. A. Thiel, Ltd., 2 York Villas, Brighton, 1), of a son (Robert Andrew).

DEATHS

BATTERSHILL.—On March 21, Mr. Frank Easton Battershill, M.P.S., Limetree House, Braunton, Devon, aged seventy. Mr. Battershill had been a member of the National Pharmaceutical Union Executive since 1941. He was formerly in business in Barnstaple.



BEGG. — At a nursing home, on March 30, after a short illness, Mr. John C. Begg, M.P.S., 12 Drury Lane, Lincoln. Mr. Begg qualified in 1897.

BINNING.—In Port Elizabeth, South Africa, on March 30, after a severe illness, Mr. Adam Binning (Menley & James, Ltd.), aged seventy-four. Mr. Binning was connected with an associated company of Messrs. Menley & James for more than fifty years. For thirty years he was assistant managing director of Menley & James, Ltd., and subsidiary companies, and emigrated to South Africa after resigning his London directorships.

EMETT.—On March 27, Mr. Thomas Emett, M.P.S., 40 Weymouth Road, Marton, nr. Blackpool, aged eighty-two.

GLASS.—On March 27, Mr. Henry Drummond Glass, M.P.S., 6 Broomlands Street, Paisley, aged sixty-five.

GREENHALGH.—Recently, Mr. Harold Robert Greenhalgh. Mr. Greenhalgh spent his business life of forty-seven years, prior to his retirement, with Lever Bros., Ltd., and subsequently with Lever Bros. and Unilever, Ltd. He became a member of the board at the age of thirty-seven, was a director for twenty-five years and vice-chairman for twenty years.

HOPE.—Recently, Mr. Thomas Hope, Ph.C., 382 Leigh Road, Daisy Hill, Bolton, Lancs, aged seventy-seven. Mr. Hope qualified as a chemist and druggist in 1892 and passed the Pharmaceutical Chemist examination the following year.

KEAY. — At his home, 1 Jesmond Avenue, Barrow-in-Furness, Lancs, recently, Mr. Richard Cecil Keay, M.P.S., aged sixty-eight. Mr. Keay was for many years in business in Dalton Road, Barrow, but retired recently owing to ill-health. He is survived by his widow, a son and three daughters.

SMYTH.—At Larne, co. Antrim, Northern Ireland, on March 31, Mr. William J. Smyth, aged eighty-five. Mr. Smith qualified as a pharmacist under the Pharmaceutical Society of Ireland and was for a long period in business at Georgetown, British Guiana, where he was also interested in mining and the growing of coconuts and tobacco. He returned home in 1922.

STAFFORD.—At The Ashes, Kinder, Hayfield, recently, Mr. Kenneth Stafford, aged forty-five. Mr. Stafford was for some years on the staff of THE CHEMIST AND DRUGGIST in Manchester.

LEGAL REPORT

Penal Servitude for Receiving.—At the Central Criminal Court, London, recently, Robert Leslie Johnson, M.P.S., Fircroft, Stoke Common, Bucks, was given a sentence of three years' penal servitude for receiving seventy-three cases of tooth-paste, knowing it to have been stolen. John James Davies, greengrocer, Burslem Street, Stepney, was given a similar sentence for the same offence. The seventy-three cases were part of the proceeds of a robbery from the premises of Gordon Moore & Co., Sinclair Road, West Kensington, on January 2, when 116 cases, containing 16,560 tubes of tooth-paste, valued at £1,066, were stolen. A detective-inspector said Johnson had not been previously convicted. On January 10, when seen by the police, Johnson denied having had the tooth-paste, but a case was found when the store was searched. The other seventy-two cases were traced to a garage at Hampton. Johnson, in the witness-box, said he owned five chemist's shops. On January 3, he said, two men, one of whom was introduced as a representative of a well-known firm, invited him to buy the tooth-paste, which was loaded on to a lorry. He told them he was not interested, but the men said they could not take the load back that day and asked him if he would allow it to remain in his store temporarily. To this course he had agreed.

PERSONALITIES

Mr. F. Loughman, M.C.P.S.I., has been successful in the Eire Senate elections. He was a candidate in the Cultural and Educational Panel.

Mr. R. Rowden Foote, M.R.C.S., L.R.C.P., D.R.C.O.G., who lectured on "Varicose Veins" to the April evening meeting of the Pharmaceutical Society, is known to pharmacists as the author of an article on the treatment of varicose in the series of quarterly bulletins to pharmacists issued by the Ministry of Health. Mr. Foote, who is the surgeon in charge of the varicose vein clinic at Harrow Hospital, has written a number of papers and one book on varicose veins. During the 1939-45 war he served with the R.A.F.V.R., holding the rank of squadron leader. He recently designed and introduced a roughened needle-head for use in treating varicose veins.

Mr. D. L. Bryan, M.P.S. (a member of the National Pharmaceutical Union Executive) has been appointed High Sheriff of Carnarvon.

Mr. F. Wartenberg, Ph.D., M.P.S., is one of the co-authors of a recently published B.I.O.S. final report dealing with the manufacture of isovaleric acid and bromisovalerylurea in the French Zone of Germany.

Mr. A. D. Telfer, export manager of Genatosan, Ltd., retired recently after serving with the company for forty years. Mr. Telfer joined the parent company in 1908. During the 1914-18 war he managed the company's factory at Penzance. In 1921, when the factory was moved to Loughborough and amalgamated with factories from London, he was given a responsible post on the advertising side of the business, and in 1934 was appointed export manager. He was an active member of the Loughborough Rotary Club for many years.

Mr. J. B. Grossett, M.P.S., Marchmont Street, Edinburgh, 9, wrote a letter to the "Scotsman" recently protesting against a "public expression" by the president of the Pharmaceutical Society of the profession's acceptance of the pharmaceutical provisions of the National Health Service, "while completely ignorant of the terms of remuneration." Mrs. J. K. Irvine replied, also in the "Scotsman," pointing out that, though pharmaceutical organisations agreed in principle with the Act, pharmacists had strong views on the need for "considerable improvement" in the remuneration of contracting pharmacists.

RADIOACTIVE SUBSTANCES BILL

Under the Radioactive Substances Bill, which was introduced in the House of Lords on April 8 and which provides for limiting the supply of radioactive substances, registered pharmacists are to be empowered to supply the substances intended for use internally, by injection, or externally, when prescribed. The prescription must have been written by a medical or dental practitioner licensed by the Minister of Health; it must have been signed and dated, and may only be dispensed once and not later than three months after the date on which it was signed, unless the prescriber states that it may be dispensed on a specific number of occasions or at specified intervals during a specified period. Licensed doctors and dentists may also supply the preparations. The supply of the substances by wholesale trade, for export, to a licensed practitioner, a hospital or Government department, etc., and the supply of substances containing less than a prescribed quantity of radioactive element, are not affected by the proposals.

Among other provisions of the Bill the Minister of Supply is to have power to manufacture and distribute radioactive substances, and an advisory committee is to be set up. Regulations for guarding the health of persons involved in the manufacture or transport of radioactive substances or in the operation of irradiating apparatus, and for ensuring that radioactive waste products are safely disposed of, are also to be made. Only licensed doctors and dentists are to be empowered to use certain irradiating apparatus for the treatment of human beings.

Authorised inspectors are to have power to enter any premises, etc. (except residences) "at all reasonable hours."

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

SIR STANLEY REED asked the Foreign Secretary recently how much potash had been exported from Germany in the previous year, and where it went. MR. C. P. MAYHEW (Under-Secretary) replied that 32,000 tons of potash were exported from the bizonal area of Germany to Czechoslovakia, Belgium, the United States and Britain. When further asked how this was reconciled with the guarantees to subscribers to the German potash loan, he said that German exports must in present circumstances go first to pay for essential German imports.

Whitley Council Membership

MR. F. W. SKINNARD asked the Minister of Health on April 8 whether, in view of the fact that he had accepted the optical employees as fit and proper persons to be registered as contractors, and that they had Whitley Council representation, he would reconsider his decision excluding employee pharmacists in retail practice from representation on the Whitley Council created for pharmacists.

MR. ANEURIN BEVAN: No. It would not be appropriate to accord representation on the Whitley Councils being set up for persons engaged in the National Health Service to persons who are not in contract with or directly employed by any of the bodies constituted under the Act.

MR. SKINNARD: Since the operation of the National Health Service Act will, presumably, depend on many hundreds of registered pharmacists who are in the employment of co-operative societies and the like, and since the Minister has already accorded optical employees such recognition, does he not think it fair and desirable in the national interests that pharmacist employees should be given the same degree of recognition.

MR. BEVAN: Persons in the bodies you refer to already have their appropriate organisations. It is not proper to give representation on the Whitley Council to persons only indirectly employed.

Medical and Dental Training

COLONEL STODDART-SCOTT asked the Minister of Health on April 8 what steps he was taking to increase the facilities for training medical and dental students and whether it was his intention to encourage the setting up of new medical and dental schools. MR. ANEURIN BEVAN said in reply that he had invited the universities and medical and dental schools, as the responsible authorities, to consider the relevant recommendations of the Goodenough and Teviot Committees. Facilities were being extended within the limits of the available resources.

THE LORD PRESIDENT OF THE COUNCIL (Mr. Herbert Morrison) informed MR. E. H. KEELING on April 8 that he was not yet able to state whether the Government had decided to accept the recommendation of the Committee on the Conservation of Nature for the institution of a Biological Service.

Treatment of Flash Burns

MR. EMRYS HUGHES asked the Minister of Health on April 8 what advice he was giving to civil defence organisations for dealing with atomic bomb flash burns.

MR. BEVAN: Opportunity has been taken in lectures to doctors to deal with the treatment of flash burn, and advice is being included in a first-aid handbook now in preparation.

Further asked whether he was aware of the suggestion made by Sir John Anderson that brown paper was a form of protection against these burns, he said he was unable to offer any effective comment on the technical value of the advice given.

Cost of N.H.S.

In a written reply to SIR ERNEST GRAHAM-LITTLE on April 8, THE MINISTER OF HEALTH (Mr. Aneurin Bevan) stated that the scheme for a National Health Service outlined in Command Paper 6502 differed substantially from that set up under the National Health Service Act, 1946, so that estimates of cost of the two schemes were not strictly comparable. The Parliamentary Estimate was based on the proposed new services and current levels of wages and prices, which had substantially increased since 1943. The cost of the scheme in future years could not be forecast but, on the basis of current costs, etc., a full year's working would involve an expenditure of about £230 millions gross.

In reply to questions about the shortage of fertilisers on April 12, MR. TOM WILLIAMS (Minister of Agriculture) said that more fertilisers of all kinds had been distributed than at the same date in 1947.

TRADE NOTES

Soap Substitutes. — S. Stonier, Ltd., Congleton, Cheshire, offer liquid, tablet, and soft soap substitutes.

Calendar.—A page-to-the-month tear-off calendar sent in by Allondon, S.A., London, E.C.1, is handsomely illustrated with photographs of alpine scenery.

Price Reduced. — Universal Brush Co., Ltd., Dallow Road, Luton, Beds, are reducing on May 1 the price of their ladies' hair-brush No. 116.

Sulphonamide Range. — Sharp & Dohme, Ltd., Hoddesdon, Herts, draw attention in this issue to their sulphonamide products, Sulfamerazine, Sulfathalidine, Sulfasuxidine and Cremosuxidine.

Liquid Shampoo. — Swandown Cosmetics, Beresford Avenue, Wembley, Middlesex, have introduced Swandown foam shampoo, the container of which is illustrated on another page.

Container Supplies.—Percenta, Ltd., 130 Tooley Street, London, S.E.1, are distributors of a range of containers in metal, glass, plastics and aluminium. Prices were recently reduced.

Separate Concerns.—The directors of Carnegie Chemicals (Welwyn), Ltd., and Carnegie Quinine Works, Ltd., Welwyn Garden City, emphasise that they have no connection whatever with Carnegie Bros., Ltd., London, N.1.

Hat Dyes in All Colours.—Whitaker & Co. (Kendal), Ltd., dye and chemical manufacturers, Kendal, Cumberland, state that their Luton straw hat dyes are again available in all colours—dull or glossy, and in bottles of two sizes.

New Size. — An intermediate size of Crookes Ferromalt (reinforced) has been introduced by the makers, Crookes Laboratories, Ltd., Park Royal, London, N.W.10, making the range of sizes 4-oz., 8-oz. and 80-oz.

Strain-viewing Polariscope.—A strain-viewing polariscope (dimensions 6½ in. x 5½ in. x 5 in.) for use by glassworkers is available for immediate delivery from H. S. B. Meakin, Ltd., 36 Victoria Street, London, S.W.1

Now Tax-free.—Moore Medicinal Products, Ltd., London and Aberdeen, have been notified by the Customs and Excise that their Brovon asthma inhalant is not now subject to purchase tax. The retail price is being reduced accordingly.

Available on the Home Market.—G. B. Kent & Sons, Ltd., 24 Old Bond Street, London, W.1, announce that, for the time being, they are in a position to meet all demands for the Allure perfume hair-brush, advertisements for which are appearing regularly in publications listed on another page.

Penicillin Injections. — T. Kennedy Black, Ltd., 142 St. John's Wood High Street, London, N.W.8, who were recently granted a Therapeutic Substances Act licence for the preparation of penicillin injections, undertake to supply such injections to the order of other pharmacists in the area.

Appointed U.K. Agents.—Lambeth & Co. (Liverpool), Ltd., Greenock Street, Liverpool, 3, announce that they have been appointed United Kingdom agents for the Curaçao aloes shipped by Mr. A. W. Croes, described as "probably the leading shipper in that territory," whose mark "A.W.C." is well known to users of aloes.

Misnomer.—The advertising agents for Pharmaceutical Laboratories (Geigy), Ltd., National Buildings, Manchester, 3, point out that an error occurred in the copy for Messrs. Geigy's announcement in the advertisement columns of this paper recently. The name of the products advertised was Tenapol waxes and not as previously given.

British-made Diaphragms. — Prentif, Ltd., Long's Court, St. Martin's Street, London, W.C.2, are now manufacturing in this country "from the finest latex rubber" their Prentif diaphragms (Dutch caps), each incorporating a specially tempered coil spring to ensure greater efficiency and comfort in use. The product is on the approved list of the Family Planning Association. Sizes are available with 2½ mm. increases from 50 mm. to 90 mm. in diameter. Fuller details are available from the manufacturers and distributors.

Price Reductions.—Announcements by the following advertisers in this issue give details of new reduced prices consequent upon recent Budget changes: EUCRYL, LTD., 7 Oakley Road, Southampton (dentifrices, perfumery, lysol disinfectant, A.S.K. skin cream and A.R.O. ointment); and INTERNATIONAL CHEMICAL CO., LTD., Chenies Street, London, W.C.1 (dentifrices, bath salts, corn rings and Sy-lac). —Among manufacturers who have sent

details of proprietary preparations, the prices of which are reduced as a consequence of the recent order relating to essential and costly drugs, are the following: GENATOSAN, LTD., Loughborough, Leicestershire (thirty-five items); PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex (twenty - five items); SANDOZ PRODUCTS, LTD., 134 Wigmore Street, London, W.1 (ten items); WHIFFEN & SONS, LTD., Carnwath Road, Fulham, London S.W.6 (Cardophylin tablets, ampoules and suppositories). — The following manufacturers also announce price reductions: THE CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10 (Glyco-Karvolene, Lacto-calamine cream, Collosol sulphur bath and lotion, Crookes zinc cream (tax lowered from 50 per cent. to 33⅓ per cent.); and Lacto-calamine talcum powder (tax lowered from 125 per cent. to 100 per cent.); M. J. FECHER, LTD., 121 High Street, Slough, Bucks (specified pots and bottles); PARKE, DAVIS & CO., 50 Beak Street, London, W.1 (fifteen specialities); GENATOSAN, LTD., Loughborough, Leicester (Genozo tooth-paste and mouthwash tablets, Fissan dusting and toilet powders and baby powder).

TRADE LITERATURE

A BOOKLET issued under the title "Mincing Lane: Street of Romance and Commerce," includes paragraphs on commodities handled by H. FRISCHMANN, 62 Fenchurch Street, London, E.C.3. — A recent issue of the "Enquiring Doctor," published by GLAXO LABORATORIES, LTD., Greenford, Middlesex, deals with nutritional treatment in winter illnesses; the company has also issued a 16-page booklet on "Penicillin Routine," in which is outlined "a typical clinical picture of penicillin in action."—A thirty-two page illustrated catalogue of photographic apparatus and accessories is available from GNOME PHOTOGRAPHIC PRODUCTS, LTD., 254 Caerphilly Road, Cardiff.—MAY & BAKER, LTD., Dagenham, have reissued booklets on Novarsenobillon (fourth edition) and Quinacrine and Præquine (third edition) and have also published the first edition of a six-page booklet on Embinal soluble barbitone.—PAINES & BYRNE, LTD., Pabyrn Laboratories, Greenford, Middlesex, have issued a 48-page price list with descriptive notes of their hormone, vitamin, glandular and other products and specialities, and an eight-page booklet entitled "Proteolysed Liver."

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, April 19

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Market Room, Golden Lion Hotel, Romford, at 7.30 p.m. Annual meeting.

Tuesday, April 20

ILFORD, BARKING AND WEST ESSEX BRANCH, NATIONAL PHARMACEUTICAL UNION, Angel Hotel, 109 High Road, Ilford, at 7.30 p.m. Discussion on distribution of welfare baby foods by chemists, and address by Mr. G. F. Deeth (secretary, Essex Pharmaceutical Committee).

PRESTON BRANCH, PHARMACEUTICAL SOCIETY, and PHARMACISTS' ASSOCIATION, Bull and Royal Hotel, Church Street, at 7.30 p.m. Annual meeting.

ROYAL SOCIETY OF ARTS, John Adam Street, Adelphi, London, W.C.2, at 2.30 p.m. Mr. A. J. Wakefield, C.M.G., B.Sc., on "The New East African Groundnuts Scheme."

SOUTHERN COUNTIES MEDICAL EXHIBITION, Polygon Hotel, Southampton (continuing until April 22; see *C. & D.*, February 28, p. 271).

Wednesday, April 21

LONDON AND SOUTH-EASTERN COUNTIES SECTION, ROYAL INSTITUTE OF CHEMISTRY, London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1, at 4 p.m. Symposium on "Laboratory Layout and Construction." Speakers include Professor W. H. Linnell and Messrs. C. L. Prior and J. Haslam.

NORWICH BRANCH, PHARMACEUTICAL SOCIETY, Three Ways Café, Brigg Street, at 7.15 p.m. Annual meeting

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Grand Hotel, at 3 p.m. Address by Mrs. J. K. Irvine (president of the Society). Neighbouring branches invited; tea to be served after meeting.

ROYAL SOCIETY OF ARTS, John Adam Street, Adelphi, London, W.C.1, at 2.30 p.m. Sir Robert Robinson (President of the Royal Society) on the "Structural Relationships of Some Plant Products."

WEST LONDON BRANCH, NATIONAL PHARMACEUTICAL UNION, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Mr. J. Hearle (vice-chairman, N.P.U.) on "Current N.P.U. Notes and News."

Thursday, April 22

BRADFORD BRANCH, PHARMACEUTICAL SOCIETY, Midland Hotel, at 7.45 p.m. Annual meeting. Discussion on "The Terms of National Health Service."

CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 7.30 p.m. Mr. H. King on "Curare Alkaloids; Constitution of *d*-tubocurarine Chloride and its Botanical Origin." Mr. P. Oxley and others on "New Methods for the Preparation of Amidines."

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY, Wellcome Club, High Street, at 8 p.m. Annual meeting and film show.

MANCHESTER PHARMACEUTICAL ASSOCIATION (JUNIOR BRANCH), Council Chamber, Houldsworth Hall, at 7.45 p.m. Annual meeting.

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Annual meeting. Address by Mrs. J. K. Irvine (president of the Pharmaceutical Society).

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

At its April meeting the Council decided to publish letters from two election candidates who would not adhere to the Council's policy on propaganda; discussed methods of allocating Benevolent Fund grants; raised important questions of finance; and considered new by-laws.

THE Council of the Pharmaceutical Society of Great Britain met in London on April 7, the president (Mrs. J. K. Irvine) in the chair.

THE PRESIDENT expressed great regret at the death of Mr. D. L. Kirkpatrick, first secretary of the Pharmaceutical Society of Northern Ireland. The part Mr. Kirkpatrick had taken in the development of pharmacy in Northern Ireland was well known, she said, as was the contribution he had made to securing reciprocity between the two societies, and his work would be a lasting foundation for the good feeling that existed between them.

THE SECRETARY reported eighty-four registrations as apprentices or students, making a total of 322 for the year and the Council agreed to readmit eight persons to the Register. He also reported on the visit of a deputation, consisting of the president, treasurer, deputy secretary and himself to the Treasury to discuss purchase tax on medicines, on which representations had been made in writing by the Society.

Shops on Housing Estates

A reply was received from the Ministry of Health to an inquiry by the Society concerning a decision by the Wolverhampton Town Council to allocate six shops on two new housing estates to the local co-operative society. The reply stated that the allocation of tenancies for the shops was a matter within the local authority's discretion under the Housing Acts, but that the Wolverhampton Council had stated that their decision was a preliminary one as between the co-operative society and all other applicants; no decision had yet been reached as to the types of shops to be allocated to the co-operative society, which in this respect would be considered along with and on an equal footing with private traders when applications for tenancies of all the shops were invited. The Ministry's letter pointed out that the matter had been the subject of questions in the House of Commons.

Advertisements

The Council considered a resolution from the Tees-side Branch urging that representations should be made to the Minister of Health "to have included in the National Health Service dispensing contract a clause which would prohibit advertising in this connection." It was reported that there had been a discussion on this point with the Ministry. On the recommendation of the Public Services Committee it was decided that the control of advertising should be regarded as a disciplinary matter for the Society, and it was agreed to send a letter in this sense to the Tees-side Branch.

Attention was called to a recent Government advertisement in which a particular firm was named as having pegged or reduced the prices of all its products; it was pointed out that the firm in question was not the only one that had taken such action, and the Council took the view that any mention of firms' names in these advertisements was undesirable. It was agreed to make representations to the Government upon the point.

Joint Formulary Committee

The Council approved an amendment to the wording of the terms of reference of the Joint Formulary Committee of the British Medical Association and the Society appointed in January 1947 "to compile a Standard Prescribers' Formulary based on the formulary section of the British Pharmaceutical Codex." A member of the Committee had objected that the words "based on the formulary section of the British Pharmaceutical Codex" unduly limited the discretion of the Committee, and a proposal that they should be deleted had been passed by the Committee for submission to the two constituent bodies.

Requests were received from Glasgow University and from English universities for their examiners in pharmacy to be appointed to the Society's board of examiners, and the Council passed a formal resolution appointing them to the board.

The following five members were announced as having been nominated honorary auditors; all had accepted: Sir Harry Hague, London; John Capel Hanbury, Ware; James Stuart Hills, London;

Sir Harry Jephcott, London; Ernest Albert Umney, London.

MR. H. M. HIRST asked whether the nominees for election to the Council (see *C. & D.*, April 10, p. 453) had given an undertaking not to advertise, and THE SECRETARY, in reply, read letters received from Messrs. J. Gilmour and Ross-Mansell. MR. HIRST hoped the matter would be given publicity.

MR. W. J. TRISTRAM asked whether it would not be fair to Mr. Gilmour to point out that it would not be out of order for his trade union to do the things mentioned in his letter, provided nothing was inspired by him, and THE SECRETARY replied that the desired effect would be gained if the matter were left as it stood. The Council agreed that the letters received from the two candidates should be published.

Draft by-laws, the purpose of which is to empower the Society to register as pharmacists subject to conditions, and with or without examination, persons who hold "a diploma as a pharmacist granted in a place outside the United Kingdom," in accordance with the Medical Practitioners and Pharmacists Act, 1947, were read a first time. They will supersede the present By-laws 18 and 19 of Section VII, relating to "persons holding colonial diplomas."

Losses of Phenobarbitone Tablets

The Public Services Committee, in a report presented by MR. F. C. WILSON (chairman) called attention to the frequent cases of loss of phenobarbitone tablets, and stated that a letter was being sent to the Press pointing out the precautions that had been taken by pharmacists.

PROPRIETARY ARTICLES TRADE ASSOCIATION

52nd Annual Meeting

THE fifty-second annual meeting of the Proprietary Articles Trade Association was held in London on April 8, the president (Mr. N. E. Forster) in the chair. Moving the adoption of the annual report (see *C. & D.*, March 27, p. 400) THE PRESIDENT said membership of the manufacturers' section was now more than 400. There had been further increases in the membership of the other two sections, and he thanked the National Pharmaceutical Union Executive for valuable help in collecting the majority of retail subscriptions. The appointment of the Resale Price Maintenance Committee had made it necessary to prepare and submit a case for the Association's system. He and certain colleagues had given oral evidence before the committee. Purchase tax changes had caused many difficulties in publication of new prices and anticipation of changes had held up the printing of the P.A.T.A. list. Publication would take place as soon as possible. Recognition by the Central Price Regulation Committee of the P.A.T.A. list as a list of "permitted prices" had avoided much potential trouble. Now that, in so many directions, supply was catching up with demand, the P.A.T.A. must be prepared for some recurrence of price-cutting. The adoption of the report was seconded by MR. S. W. HAGUE. MR. L. BARCLAY (treasurer) moved the adoption of the financial statement. Expenditure, he said, had increased in some directions and decreased in others. Subscriptions were up and the receipts from the year book and the "P.A.T.A. Record" were gratifying. MR. F. J. SMITH seconded the adoption. In the discussion which followed, MR. MIDDLETON referred to the usefulness of the "P.A.T.A. Record," and suggested that the editor should invite contributions from members. MR. PLUMMER asked for information about the Monopolies Bill and was given a summary of its provisions by the secretary. The annual report and financial statement were formally adopted, and a vote of thanks to the secretary and staff, moved by THE PRESIDENT, was carried and acknowledged by MR. H. E. CHAPMAN.

Meeting of Council

A quarterly meeting of the P.A.T.A. Council was held on April 6, Mr. N. E. Forster presiding. A letter was read from Mr. C. H. Ratcliffe stating that, as he had retired from full business activity and was now seldom in London, he wished to resign from the chairmanship of the P.A.T.A. Trust Co., Ltd., and, consequently, from membership of the Council and the Executive Committee. THE PRESIDENT said members of the Council greatly regretted Mr. Ratcliffe's decision. For twenty-five years he had rendered invaluable service and his wise guidance and co-operation would be sorely missed. Other tributes to Mr. Ratcliffe were paid by Colonel Watson and Messrs. Hague, Pearce and F. J. Smith. It was unanimously resolved that Mr. Ratcliffe, as "one who had rendered exceptional service to the Association,"

should be elected an honorary member of the Council of the Association.

THE PRESIDENT and others reported on their experiences before the Resale Price Maintenance Committee on April 2, when a statement submitted by the Association was supplemented by oral evidence.

Maximum Prices Order

The Council considered the steps taken by the Executive Committee and the secretary about the Miscellaneous Goods (Maximum Prices) Order published on February 24, and originally designed to become operative on March 15. It was recognised that the Order contained provisions of serious concern to manufacturers, wholesalers and retailers of toilet and perfumery preparations and requisites and other classes of goods. Certain of the provisions, if enforced, would have undermined the P.A.T.A. system by making it obligatory for one class of retailer to sell at prices lower than those permitted to be charged by other retailers. In addition, the Order, in its original form, would have eliminated the distributing agent and the agent or wholesaler who took the whole or part of a manufacturer's output of certain kinds of unbranded goods and applied to them his own trade mark before supplying them to the wholesale or retail trade. The maximum permitted wholesale margin on certain kinds of toilet requisites and sundries was regarded by the wholesale trade as inadequate. There were also many objections to the compulsory allowance of a 2½ per cent. discount off the appropriate maximum charges. The implications in the Order of interest to the Association and to the Toilet Preparations and Perfumery Manufacturers' Federation were taken up immediately with the chief officials of the Central Price Regulation Committee. As a result of the many representations made, the enforcement of the Order was postponed to April 26. A new Order, likely to be issued shortly to replace the original, was expected to remedy the inequities referred to. The Council expressed appreciation of the steps taken.

The Council considered the provisions of the Monopoly (Inquiry and Control) Bill (see *C. & D.*, April 10, p. 461) and it was agreed that the progress of the Bill should be watched.

Purchase Tax

The alterations in purchase tax rates announced by the Chancellor of the Exchequer on April 6 were discussed. The changes would necessitate a large number of revisions in the tax-inclusive retail prices of the proprietary articles affected, and arrangements for incorporating the changes in the Protected List for 1948 and for the publishing of the list as quickly as possible were authorised.

A report on price-maintenance work during the past three months, submitted by THE SECRETARY, stated that a few cases brought to the notice of the Association concerned traders holding stocks of toilet proprietary articles for which public demand appeared to have slackened. During the quarter, the Association's test purchasers and investigators had visited the premises of 494 traders, and made 412 test purchases, revealing only four cases of price-cutting. Twenty-five traders, having completed the appropriate agreement, had been removed from the stop list. Allowance of dividend on P.A.T.A. goods by six named co-operative societies had been investigated, and steps taken to ensure a cessation of the practice. One large co-operative society decided that in its branch pharmacies no dividend would in future be paid on any purchases, whether P.A.T.A. or not.

A PHARMACIST'S ANTHOLOGY

"SPEAK," he added, as the porter crept tremblingly forth, "and let us hear what nostrums you have swallowed. I know you have dosed yourself with pills, electuaries, balsams, tinctures, conserves, spirits, elixirs, decoctions and every other remedy, real or imaginary. What else have you done?"

"What Dr. Hodges, I am sure, will approve," replied Glaize, confidently. "I have rubbed myself with vinegar, oil of sulphur, extract of tar, and spirit of turpentine."

"What next?" demanded Hodges.

"I have placed saltpetre, brimstone, amber and juniper upon a chafing dish to fumigate my room," replied Glaize, "but the vapour was so overpowering I could not bear it."

"I should be surprised if you could," replied the doctor. "Indeed it is astonishing to me, if you have taken half the remedies Leonard says you have—and which, taken in this way, are no remedies at all, since they counteract each other—that you are still alive."

From "Old St. Paul's," by W. H. Ainsworth.

THE THORN APPLE: AN EAST AFRICAN PEST

by A. E. Haarer, F.L.S.

A SHORT cut from Belgian Ruanda to Uganda, Africa, passes through the extreme north-west of Tanganyika Territory, along which native pedestrians travel to and fro in a constant stream. Men from the Belgian territory visit the plantations of the richer Baganda folk, and return to their homes when they have saved sufficient money from their wages.

Perilous Hospitality

It is a long trek and some may stop for a moment at a road-side rest-house to share the contents of a bubbling pot, or banana beer in a bulging gourd, offered by a smiling vendor. The host is voluble and suave, with trinkets in his pack for sale, and he never worries if his guests refuse to buy his goods, for within half an hour's journey of their halting place the travellers may lie unconscious in the roadway. They may be throwing themselves about and grovelling in the dust, or eating grass, their cries indistinguishable from those of maniacs or animals, the pupils of their eyes dilated and inactive to light for some while after they have been picked up. By that time, of course, their savings will have disappeared, together with their wayside host. If he should ever be seen again, it is almost impossible to prove that he has been responsible for the poisoning and theft.

The symptoms will be recognised as those of datura poisoning: Dryness of the throat, giddiness, staggering as if intoxicated, and delirium. The voice is often unrecognisable, and the vision is affected, so that the unfortunate sufferer becomes restless and wanders about, clutching at imaginary objects until he falls into a coma. Usually they recover, though some may die.

Datura alba as a garden shrub.

Powdered datura seeds have been used in various parts of East Africa to enhance the potency of native alcoholic liquor, possibly to create a false boisterousness and extravagant conduct on the part of customers, and thus advertise the brew.

Datura Stramonium, Linn.

It is not known whether the reaction of an African is different from that of a European, but on the natives the drug appears to have no habit-forming effects. Another use of datura is to be found in the southern Pa-re district of the Northern Province in Tanganyika Territory, where the natives say that they grind the seeds and mix the powder with maize porridge to make a poisonous bait for rats.

Throughout the more open areas of Africa, *Datura Stramonium*, Linn., grows patchily, as if the plant had decided to form colonies in certain valleys, or on certain hill-sides, where the soil and the climate suited it, and where the competitive grouping of other vegetation was not too overwhelming. It thrives as a weed in some places, and the Government of Kenya has listed the plant under its "Suppression of Noxious Weeds Ordinance," with instructions that have been enforced since September 1, 1945. The campaign in its early stages included demonstration of methods of eradication, propaganda at Farmers' Association and other meetings, articles in the Press, and wireless broadcasts. Handbills were printed and posted up in prominent places in clubs, post offices and police stations, and were also distributed to allotment holders in certain municipalities, warning people and advising them how to get rid of the poisonous weed. The grading of grain now includes a rigorous search for datura seeds and rejection of any unsatisfactory sample.

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The Working Party Reports

THE report just issued (p. 503) of the Working Party on Differences in Dispensing Practice Between England-and-Wales and Scotland, as it exists at present, comprises thirty-two duplicated foolscap sheets, printed both sides in single-spaced typewriting, with eight appendices. It is thus obviously too long to be given completely in full under current conditions of paper shortage, but we have given as much of the report as possible (but see below), because otherwise pharmacists would have to wait for their information on this vitally important matter until the printed copies become available from H.M. Stationery Office, and that is likely to be some weeks ahead.

The very hard-working party has made (between the two halves of its membership of four, excluding the chairman) 300 visits to pharmacies almost from Land's End to John o' Groats, and has had the valuable guidance of a Steering Committee on which the National Pharmaceutical Union and Pharmaceutical Standing Committee (Scotland) were represented. In addition to the 300 visits to "random"-selected pharmacies, the Working Party considered information obtained by post in answer to a questionnaire sent to an equal number of "random" pharmacies, and from visits to eight pharmacies in England (chosen by Mr. Mallinson) and four in Scotland (chosen by Mr. Weir) of a type "giving a comprehensive pharmaceutical service of the highest class." In the time at its disposal it is difficult to believe that any more adequate or representative method could have been devised by the Working Party, and its findings will be universally accepted as authoritative for the field covered.

In general, the statement bears out what was believed by Scottish and English pharmacists about divergent conditions in the two countries. Thus it was recognised that there was a greater use of formularies by prescribers of mixtures south of the Border than in Scotland; that in Scotland the number of doses per container is greater than, and the volume of the mixture less than, in England and Wales; and that dispensing by doctors for their "private" patients is less prevalent in Scotland than in the rest of Great Britain, to mention only a few of the findings.

One of the most important facts that emerge is that in England a large majority of pharmacies will require enlarged dispensaries, a fact that will have to be provided for in negotiations on terms. In Scotland, where there has been far less dispensing by doctors, the increase in prescriptions handled in pharmacies is not expected to be so great.

All told, the report is a magnum opus, the dimensions of which are sufficient explanation for its appearance only at this late date, when pharmacist contractors, with one eye on the calendar, have been chafing at the apparent inactivity of their negotiators. Now it is published, the decks are clear for the real business of getting down to terms, which must now be treated as an urgent matter.

[*While we were in process of going to Press, we received from the Ministry of Health a request (see p. 507) to withhold publication for the present of an important section of the report. In order to comply with this request we have also had to make cuts in our editorial comment.*—EDITOR.]

Selective Insecticides

A FRUITFUL line of development is suggested by the writers (Ripper, Greenslade and others) of a letter published in "Nature" (March 27, p. 484), in which they write that "even the . . . indiscriminate insecticide DDT" may be used as a

selective insecticide, specific for vegetable-eating insects, so long as the particles of the poison are coated with substances digestible only by those insects. Phytophagous insects are able to deal with the hemicelluloses of plant cell-walls, and certain wood-boring insects also with celluloses, while carnivorous insects, most flies, bees, and parasitic hymenoptera, cannot do so. DDT preparations were made by the writers in which the particles of insecticide were coated with degraded cellulose by an acid precipitation of the degraded cellulose from an alkaline solution to which a DDT suspension had been added. The coating was improved by a hardening process that was not described. Residual films of the preparation described were found to be non-toxic, or significantly less toxic, to bees. Towards the larvæ of phytophagous insects, coated and uncoated preparations showed little difference of toxicity. In view of recent indications of undesirable consequences resulting from the use of DDT insecticides, other workers may be inspired to study possible alternative coatings in order to eliminate pest insects without at the same time destroying beneficent varieties.

Radioactive Drugs on Prescription

Dispensing by pharmacists of radioactive substances—a development foreshadowed in these columns more than a year ago—has received parliamentary recognition in the Radioactive Substances Bill introduced recently in the House of Lords (see p. 492). Measures to prevent the abuse of these new and potentially dangerous substances (for example, in cosmetic preparations) were required, and the Bill has provided them by limiting the supply of the materials to (a) licensed doctors and dentists, and (b) pharmacists on presentation of a prescription. To the extent that pharmacists are not required to possess a licence to supply the drugs, the profession appears to be specially favoured. The detailed form of prescription, and what is to be its fate after it has been dispensed, may become the subject of regulations, but the Bill itself lays down that a prescription may not, "subject as hereinafter provided," be dispensed on more than one occasion or more than three months after the date on which it was signed. Such a requirement is worthy of consideration for other types of prescription (e.g., of Schedule IV drugs).

Protection of Workers

The Bill also makes provision for the issue of regulations protecting persons who are likely to handle the isotopes during manufacture, preparation or transport (before issuing regulations, however, the Minister must consult with an Advisory Committee set up under the Bill), and for the disposal of radioactive waste products.

Pharmacists who widen their services to include handling radioactive drugs may have to submit to further disciplinary provisions, for the Bill authorises inspectors to visit premises "at all reasonable times." The requirement seems reasonable; in practice it may prove little more burdensome than inspection under the Therapeutic Substances Act.

Applied Physics

The number of polarimeters, polarographs, *p*H meters and recorders, spectrometers, etc., shown at the Physical Society's exhibition at Imperial College, London (see p. 486), illustrates the increasing extent (also shown in the current series of articles in The Chemist and Druggist by Dr. W. F. Elvidge) to which physical and physico-chemical estimations are becoming part of the routine work of the pharmaceutical laboratory. They have usually the advantage of speed over other methods without sacrificing accuracy. A particular value of the exhibition is that the visitor can see in a small compass how widely-different specialists are using new mediums, or old mediums in new ways, to solve old or new problems. The development is well exemplified, perhaps, by the use (demonstrated at the exhibition) of ultrasonics for estimating, for example, the concentration of emulsions; or of ultraviolet microscopy to throw (almost literally) a different light on biological problems. So valuable an exhibition of instruments surely deserves to be staged today in a building in which they can be seen to better advantage.

WORKING PARTY ON DISPENSING PRACTICE

Scottish procedure compared with current practice in England and Wales as a preliminary to considering N.H.S. remuneration

THE Working Party set up in September 1947 by the Minister of Health (Mr. Aneurin Bevan) and the Secretary of State for Scotland "to investigate the differences in the work of pharmacists in England and Scotland in dispensing and supplying medicines and appliances, with particular reference to the position likely to arise under the National Health Service," has presented its report. Copies in typescript have been made available to the Press, but further copies will not be available until printed by H.M. Stationery Office. It is understood that some delay is to be expected in the printing.

Membership and Steering Committee

With the Working Party, the members of which were Messrs. D. A. Bryan, M.P.S., and G. H. M. Graham, M.P.S. (England and Wales), and Messrs. A. A. Meldrum, M.P.S., and J. Shields, M.P.S. (Scotland), under the chairmanship of Mr. W. Penman, M.B.E., F.I.A., has been associated a Steering Committee to guide the work. The Steering Committee comprised Messrs. H. Davis, Ph.C., G. A. Mallinson, M.P.S., F. F. Marchbank (principal, Ministry of Health), A. S. Marre (assistant secretary, Ministry of Health), and A. I. Millar, O.B.E. (assistant secretary, Department of Health for Scotland), Miss C. E. Mozley-Stark, Ph.C., Miss E. M. R. Russell Smith (under secretary, Ministry of Health), and J. Weir, M.P.S., with Mr. W. Penman as chairman and Mr. C. L. Sargent, Ph.C., as secretary. After preliminary discussions with official members of the Steering Committee, a meeting of the pharmaceutical members was held on October 17, 1947, and a joint meeting of the Working Party and Steering Committee on October 27, 1947. The Working Party met on November 24, 1947, and January 7, 1948, and the Steering Committee on January 15, 1948. Members of the Working Party in couples (usually one Southerner and one Scot) made visits to pharmacies and Pricing Bureaux. The Working Party met subsequently on nine occasions to consider and settle the terms of the Report.

"Random" Sampling

The responsibility for deciding how many (and which) pharmacies should be visited was assumed by the chairman.

The number of pharmacies (registered premises) to be visited was fixed at 300 (England 215, Wales twenty-five, and Scotland sixty) to be chosen at random from the rather more than 14,000 registered premises in England, Wales and Scotland. The report describes the method of classifying the areas by population, giving each a code number in order to give an appropriate spread of the visits (a) on a population basis and (b) geographically.

Visits According to Size

Thus the large towns and the English county boroughs were allotted one or more visits according to size. From the list Mr. Mallinson (secretary, the National Pharmaceutical Union) and Mr. Weir (representing the Pharmaceutical Standing Committee (Scotland)), selected, by ballot, double the number of pharmacies to be visited. From the resulting names the final selections were made by ballot. In addition to visiting 300 pharmacies, it was decided to send a brief questionnaire to the other pharmacies selected by Messrs. Mallinson and Weir. The resulting figures proved in close harmony with the figures obtained from the visits. A suggestion by Messrs. Mallinson and Weir that, in addition to the visits to the 300 pharmacies ascertained by "random selection," visits should be paid to a few specially chosen pharmacies giving a comprehensive pharmaceutical service of the highest class, was adopted. Eight pharmacies in England were chosen by Mr. Mallinson, four in Scotland were chosen by Mr. Weir, and a further one in England was suggested by the Pharmaceutical Society. No inquiries were made by the Working Party about dispensing done under contract with doctors, dispensing done for institutions such as hospitals and infirmaries, and "counter prescribing," but visits were paid to Pricing Bureaux at Clapham (Joint Committee for Pricing Prescriptions (South - eastern Division)), London (London Insurance Committee) and Glasgow.

Favourable Atmosphere Created

"The members of the Working Party hope and believe that, apart altogether from the value (or otherwise) of the information they have collected, their visits may have done something towards creat-

ing a favourable atmosphere for any discussions that may follow on the report."

English and Scottish Dispensing

The claim that in Scotland there is a much less use of formularies than in England and Wales, is reported as being, "broadly speaking, so far as mixtures are concerned," substantiated. Of N.H.I. prescriptions for mixtures dispensed during July 1947 in the "sample" pharmacies, 83.1 per cent. in England were based on National and British Pharmaceutical Codex formularies, against only 3.5 per cent. in Scotland. There was, however, evidence that, in Scotland, medical men were more inclined than in England and Wales to use repeatedly what were virtually their own formulas, and the sample investigated disclosed 18.9 per cent. of such repeated prescriptions for which no counterpart was found in either England or Wales. After allowing for those doctors' formulas, non-identical mixtures were 16.9 per cent. in England and 77.6 per cent. in Scotland. The corresponding figures for privately prescribed non-identical mixtures dispensed in July 1947 were: England, 53.4 per cent.; Scotland, 91.7 per cent. The results are set out in greater detail in the following table:—

PRESCRIPTIONS FOR MIXTURES, JULY 1947

Type of Mixture	N.H.I.			Private		
	England	Wales	Scotland	England	Wales	Scotland
Formularies	83·1	78·9	3·5	37·8	25·9	1·3
Doctors' own formulas ..	—	—	18·9	8·8	12·9	7·0
Non-identical prescriptions ..	16·9	21·1	77·6	53·4	61·2	91·7
	100	100	100	100	100	100

Dispensing Formulary Mixtures

"It should be placed on record that in England, and (to the extent that they are used) elsewhere, most Formulary mixtures are dispensed extemporaneously." The table discloses a less frequent use of formularies and more non-identical formulas in private than in National Health Insurance prescribing. Prescriptions for ointments, creams and pastes, like those for mixtures, tend in Wales to keep fairly close to those for England; Scotland has a higher percentage of non-identical prescriptions than either England or Wales, but only 17.9 against 77.6 for mixtures. Most Formulary ointments are bought from wholesale houses in the form in which they are dispensed. In tablets, the third large group into which prescriptions may be divided, there can be no appreciable divergence of practice, for tablets are almost, if not quite, universally purchased from wholesale houses in the form in which they are dispensed. The groups, mixtures, "ointments, creams and pastes," and tablets, comprise about 65 per cent. in number of the total prescriptions. Proprietary preparations account for another 5 per cent. and the remaining 30 per cent. consist of a relatively large number of comparatively small groups. In Scotland the number of doses per mixture is found, on the average, "undoubtedly higher," and the volume of the mixture smaller than in England. See figures below:—

Country	Average of Doses per Mixture		Average Volume per Mixture (in fl. oz.)	
	N.H.I.	Private	N.H.I.	Private
England:				
Highest area ..	21·8	20·5	10·5	8·5
Lowest area ..	18·7	17·6	9·0	7·1
Whole country ..	20·7	18·8	10·0	7·9
Wales	17·2	18·1	8·4	7·9
Scotland	29·8	25·1	6·8	5·8

The figures indicate, as standards for England, 10- or 8-oz. bottles containing tablespoon doses, and as a standard for Scotland, a 6-oz. bottle containing dessertspoon doses. "The difference disclosed merits a variation in the dispensing fee as between England and Scotland," but the point is discussed lower in the report. The average number of doses and the average volume do not vary greatly in the different Pricing Bureau areas. The average quantity per prescription for "ointments, creams and pastes" is nearly uniform in all areas at about 1¾ oz. Tablet doses per private prescription were 36, 32 and 31 for England, Wales and Scotland, respectively. No special significance is attached to the figures. The Working Party found no evidence to support the suggestion that more ingredients per prescription are used in Scotland than in England.

Stock mixtures are undoubtedly used more in England than in either Wales or Scotland (in this case Wales follows Scottish procedure). The average number kept by the "sample" pharmacies visited was found to be 13.6 in England, 2.3 in Wales and 2.6 in Scotland. In England the number varies considerably. In the area serviced by the West Riding Bureau it is 22.5 and in the area serviced by the South-west England Bureau it is only 7.7. Apart from compound acid mixture of bismuth with pepsin, B.P.C., and compound bismuth mixture with pepsin, B.P.C., which are almost universally kept in stock, practically all stock mixtures used in England are compounded on the premises by the pharmacist or his staff. The inquiry disclosed no evidence of any appreciable use of concentrated mixtures bought from wholesale houses, the average numbers being 0.6 in England, 0 in Wales and 0.02 in Scotland. In the matter of stock mixtures, the Scottish attitude is that a prescription ought not to be regarded as one of a series of identical prescriptions since it has been prescribed by a doctor to meet the needs of a particular patient, and should be dispensed extemporaneously. The Scottish pharmacist is aware that his system involves a greater expenditure of time and gives him more work than the English system. An English pharmacist might maintain that the use of a stock mixture results in greater accuracy.

Pharmacies Graded

The Working Party classified each of the 300 "sample" pharmacies into "poor," "satisfactory" and "good." The results were:—

	England (215)	*Wales* (25)	*Scotland* (60)
Poor ...	2.3	8.3	5.0
Satisfactory	90.7	83.4	78.3
Good ...	7.0	8.3	16.7
	100	100	100

In all three countries and whether the routine be on Scottish or English lines, prescriptions will be, in at least 95 per cent. of pharmacies, dispensed in accordance with the highest professional principles. The Working Party is unanimous in expressing the opinions that, when interpreted in accordance with the high standard usually maintained, no exception can be taken to either system, and that where professional views are strongly held, are not inconsistent with first-class work, and are lived up to, it would be a mistake to attempt, administratively or otherwise, to compel either section of opinion to conduct its operations on the lines of the other.

Non-dispensing Differences

In 90 per cent. of the districts, served by pharmacies in England which formed the subject of the postal investigation, about 90 per cent. of local doctors dispense medicines for private patients. "It seems, therefore, that in England about 80 per cent. of the doctors do their own dispensing for private patients." In Scotland, on the other hand, in only 20 per cent. of the districts served by the postal inquiry pharmacies were the Working Party informed that local doctors dispense medicines for private patients; in those districts approximately 60 per cent. of doctors do their own dispensing. Thus in Scotland only about 12 per cent. of doctors do their own dispensing for private patients. Under the new National Health Service a large proportion of the private dispensing will become National Health dispensing, and it is obvious that the Scottish pharmacies, which already dispense for the private patients of about 90 per cent. of the doctors, cannot possibly have, as a result of the new service, any appreciable increase in the total volume of their dispensing. On the other hand, in England, where pharmacies dispense for the private patients of only about 20 per cent. of the doctors, they are certain to be called upon to deal with a considerably increased volume of dispensing business when the new Service comes into operation. It is pointed out that to dispense for the private patients of about 20 per cent. of the doctors is neither necessarily nor probably the same thing as doing 20 per cent. of the private dispensing.

Nor is it reasonable to assume from the figures given that, on an average, a Scottish pharmacy will do four and a half times as many private prescriptions as an English pharmacy. It may very well be that the 20 per cent of English doctors include an unduly large proportion of those with large practices. The proportion of pharmacies to

PERCENTAGES OF NATIONAL HEALTH AND PRIVATE PRESCRIPTIONS

	N.H.I.	*Private*	
		Excluding repeats	*Repeats*
England	7,500 (78%)	1,194 (12%)	988 (10%)
Wales	5,508 (73%)	1,251 (17%)	797 (10%)
Scotland	3,811 (40%)	3,761 (39%)	1,982 (12%)

population is certainly higher in Scotland than it is in England.

It is thought reasonable to assume that the following percentages are substantially accurate :—

	N.H.I.	*"Private"*
England and Wales combined	77%	23%
Scotland	35%	65%

Ability to Cope with Increased Dispensing

The Working Party has endeavoured also to collect information as to the ability of pharmacies, without extending accommodation, to cope with the probable volume of increased business that would result from the enlarged National Health Service. Unfortunately, the inquiry made at the visited pharmacies was as to whether the anticipated increased volume of dispensing could be handled without enlarging the dispensary, the postal inquiry asked whether it would be necessary to enlarge the "premises." The results (expressed as a percentage of the number of pharmacies) are given below :—

	Possibility of enlarging dispensary to cope with increased dispensing.			Necessity of enlarging premises to cope with increased dispensing.		
	Yes	*No*	*Unnecessary*	*Necessary*	*Unnecessary*	*Undecided*
England						
One area	100	0	0	0	100	0
Another area	47	6	47	33	67	0
Whole country ..	86	3	11	12	86	2
Wales	62	17	21	22	74	4
Scotland	72	7	21	2	96	2

"No dogmatic conclusions are to be drawn from the figures," states the report, but it is thought that a reasonable interpretation is that :—

(*a*) in about 80 per cent to 90 per cent of pharmacies in England and from about 65 per cent to 75 per cent in Scotland it will be necessary to enlarge the dispensaries, but

(*b*) in only about 10 per cent to 15 per cent of pharmacies in England and under 5 per cent in Scotland will it be necessary to enlarge the premises. On an average, therefore, the expense of preparing for the National Health Service will fall more heavily on English than on Scottish pharmacies. Wales is in a worse position than either. Among the "sample" pharmacies, about 17 per cent of the dispensaries cannot be sufficiently enlarged ; in about 22 per cent of the "postal inquiry" pharmacies an extension of premises will be necessary. At the pharmacies visited the problem of accommodation was receiving consideration and plans were being made.

Output per Dispenser

The ability to cope with a larger volume of dispensing depends also on staff. The table (foot of page) compares the average number of prescriptions dispensed during 1946 and the average number of dispensers—both pharmacists and other dispensers—engaged.

Neither 4,790 prescriptions per dispenser per annum for England, nor 3,840 for Scotland indicates full employment of the dispensers in actual dispensing. Many of them do some other work besides dispensing, "and it may very well be that there is much to be said for introducing a certain amount of variety into a dispenser's work." Apart from that, rather more than half the dispensers in England and Wales, and rather less than half the dispensers in Scotland, are pharmacists, and pharmacists are often either proprietors or managers. As such they have supervisory and managerial duties that will unavoidably limit the time they can spend in the dispensary.

"Corrected" Average

It seems to add one-third to the figures in the final column gives what may be regarded as a "corrected" average number of prescriptions per dispenser per annum. The

	"Sample" pharmacies			*"Postal inquiry" pharmacies*			*Combined inquiries*
	Average number of dispensers per pharmacy	*Average number of prescriptions in 1946 (N.H.I. and Private combined)*		*Average number of dispensers per pharmacy*	*Average number of prescriptions in 1946 (N.H.I. and Private combined)*		*Average number per dispenser per annum*
		per pharmacy per annum	*per dispenser per annum*		*per pharmacy per annum*	*per dispenser per annum*	
England	2·07	9,682	4,680	1·96	9,621	4,910	4,790
Wales	2·24	7,556	3,370	2·26	6,068	2,680	3,030
Scotland	2·72	9,554	3,510	2·54	10,650	4,190	3,840

figures as modified will then become :—

England	6,390
Wales	4,040
Scotland	5,120

Even the "corrected" figures do not indicate full employment of existing dispensary staff in dispensing. It is thought possible for an expert dispenser to deal with prescriptions at the rate of 9,000 a year, say at the rate of thirty-two per day or four per hour. Thus, although in most cases extra staff will be required to deal with the extra dispensing, it will not be necessary that the addition should consist entirely of qualified or trained dispensers. Extra assistance behind the counter may help to solve the problem. The staff problem is likely to be less acute in Scotland than in England, in Wales more difficult than in Scotland, but less difficult than in England.

Mixtures make up about 90 per cent of the extemporaneous dispensing in England and about 70 per cent in Scotland ; they make a major demand, perhaps to the extent of 75 per cent upon the time of the dispenser.

Differences in Remuneration

The second part of the Working Party's task was to advise "how far there are likely to be differences of practice in the new Service which would justify the continuance of differences in remuneration." The Working Party considers that the existing differences of practice will continue under the National Health Service. The Working Party feels that it must be assumed that the two existing Tariffs are intended to give results which, in the aggregate and having regard to all the circumstances, mete out an equal measure of justice to (*a*) England and Wales and (*b*) Scotland. "But, even if substantial equality of treatment, having regard to all the circumstances, has been attained, it would appear that the goal has been reached by unnecessarily diverse routes." It would be an improvement if the same or a greater degree of equality were reached through the medium of a single Tariff. It was decided that certain sample groups of prescriptions should be priced on both the English and Scottish Tariffs, in the hope that something useful would emerge. Analyses of prescriptions, mixtures and doses, from sixty English and Welsh and sixty Scottish pharmacies, give the following results :—

PRESCRIPTIONS OF "SAMPLE" PHARMACIES, JULY 1947
(*as percentages of total prescriptions*)

Pricing Bureau	*Mixtures*	*Ointments, creams and pastes*	*Tablets*	*Proprietaries*	*Powders separately wrapped*	*Remainder*
Central	37	5	23	7	—	28
West Midland	36	7	21	7	—	29
West Riding	40	6	20	7	—	27
North-East Midland	42	5	20	5	—	28
Lancashire	42	5	20	6	—	27
Lancashire No. 4	39	6	23	5	—	27
Manchester and Salford	38	5	23	3	—	31
S.W. Lancs. and Cheshire	36	6	17	6	1	34
North of England	36	7	18	3	—	36
East Anglia	38	5	22	6	—	29
London	39	6	19	3	—	33
South-Eastern	38	7	23	7	—	25
South-Western	38	6	23	8	—	25
England	38	6	21	6	—	29
Wales	33	7	18	7	—	35
Scotland	28	10	26	4	4	28

English

Private dispensing—
1,225 Prescriptions
918 Mixtures
N.H.I. dispensing—
1,739 Prescriptions
1,177 Mixtures

Scottish

Private dispensing—
1,352 Prescriptions
1,194 Mixtures
N.H.I. dispensing—
1,443 Prescriptions
1,100 Mixtures

In response to a request from the Ministry of Health, who hinted at a revision of an important table included in the report, and in paragraphs based on the table, the remainder of the summary, although prepared for publication, is unavoidably held over.—EDITOR.

VETERINARY ABSTRACTS

Canine Otitis.—As a treatment of canine otitis Bastowy ("Veterinary Record," January 3, p. 3) recommends irrigation with a 0.05 per cent. aqueous solution of zinc sulphophenate ($(C_6H_4 (OH) SO_3)_2 Zn. 8H_2O$). The treatment relieved pain more quickly, led to speedier recovery than other drugs.

Canine Paraplegia.—Bastaway ("Veterinary Record," February 28, p. 94) reports favourably on the use of Prostigmin (dimethylcarbamic ester of 3-hydroxyphenyltrimethylammonium-methyl sulphate) in treating two cases of paralysis of the legs in dogs. The drug was given in 0.05 mgm. doses by intramuscular injection.

STUDENTS IN CONFERENCE

THE sixth annual conference of the British Pharmaceutical Students' Association, held in London, April 7-11, was attended by delegates representing branches of the Association at Aberdeen, Brighton, Bradford, Bristol, Burnley, Cardiff, Glasgow, Leicester, Liverpool, London, Manchester, Middlesbrough, Nottingham and Swansea. Representatives were present also from Belgium, China, Denmark, Eire, Finland, France, Holland, India, Norway, Pakistan, Sweden and Switzerland. The average age of the British delegates was twenty-two.

In the evening of April 7 an address of welcome by PROFFESSOR H. BERRY (Dean of the College of the Pharmaceutical Society) was followed by an illustrated lecture, "The Riddle of Allergy," by Mr. Charles Beaven, Ph.C., followed in turn by an informal "sing-song" to enable delegates to get to know one another.

Address by Society's President

Next morning the students assembled in the lecture theatre at No. 17 Bloomsbury Square to hear addresses by officers of the Pharmaceutical Society. MR. S. R. CHALLEN (secretary) presided. He read messages of greeting from pharmaceutical students in Poland, Rumania and Finland, and from Miss Joan Forrest, Ph.C. (a former secretary), who was ill and unable to attend the conference.

MRS. J. K. IRVINE (president of the Pharmaceutical Society) spoke on "The Form and Functions of the Society," tracing its history and describing the constitution of its Council. The Society, she said, had a dual responsibility: to its members, and, through its statutory obligations, to the public. One of its main objects was to promote pharmaceutical education, a task it had performed well, though progress had not always been as rapid as might have been wished. For over 100 years pharmacy and chemistry had been taught at the Society's college by a succession of brilliant teachers.

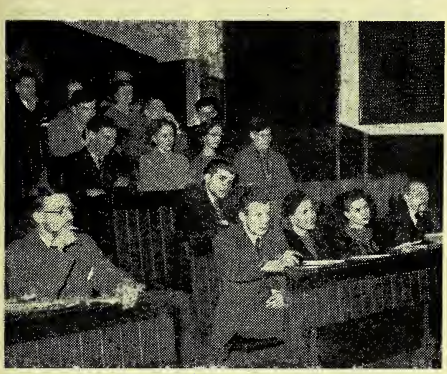
One of the objects of the National Union of Students, to which the B.P.S.A. was affiliated, said Mrs. Irvine, had been to secure extension of the system of State scholarships and family allowances; she was glad that the Government had recently increased the number of State scholarships, including provision, where necessary, for family allowances. The presence at the conference of so many students from overseas showed how the Association was succeeding in another of its objects: the promotion of friendship between students throughout the world.

MR. H. N. LINSTEAD, O.B.E., M.P. (secretary of the Pharmaceutical Society of Great Britain and a vice-president of the International Pharmaceutical Federation), appealed for personal integrity in pharmacists in a talk entitled "The Pharmacy Student Faces the Last Half of a Century." After "flash-backs" to 1848, he developed a theme of national expansions resulting in wars in which truth, charity and individual integrity had to a large extent been victims. The same three ideas, he said, were also under attack within the profession of pharmacy. Much depended on the personal integrity of those who practised it. Any pharmacist had the knowledge and ability to outwit, if he so desired, the policeman or the public analyst. Employees had a divided loyalty: to employers and to the profession. The profession might become submerged by a wave of commercialism. Under State control there was less interference with professional freedom, and no commercial element, but there remained the danger that someone else might be telling the professional man how to do his job. Pharmacy was not just a means of earning a living; it contained an important element of service to the community. The man who approached his profession in the spirit of service was more likely to live a satisfying life. An understanding of the profession as it was practised in other countries was desirable, and he would like to see as wide as possible interchange of qualifications. It should be possible, at least in Western Europe, for pharmaceutical authorities to concert a system of reciprocity subject, perhaps, to a knowledge of the language and national pharmacopœia of the country concerned. A problem calling for the exercise of charity was the position of pharmacists of various nationalities at present condemned to wasting their hours in displaced persons' camps in the American and British zones of Germany. A way should be found by which such men could be brought back into useful practice in Western Europe.

"Vetted" Proprietaries

MR. S. BOULTON, Manchester, asked whether the Society had any power to arrange, in collaboration with the Ministry of Health, for proprietary products to be "vetted" before they were put on the

market. Mr. Linstead replied that various committees were striving to improve the standards of proprietary medicines and the methods of advertising them. Much, however, remained to be done; it was, in his opinion, almost impossible for those with



Some of the students photographed during a lecture at No. 17 Bloomsbury Square.

commercial interests in either the medicines or in advertising to do enough; it was a job for the Government. The Society had recently presented a memorandum on the subject to the Minister of Health, but there was not likely to be any early legislation.

Mr. L. J. Harris, Chelsea, suggested that the Society might itself give a more definite lead without waiting for the Minister of Health. Mr. Linstead replied that already the code of ethics gave the Society power to issue a list of medicines which, in its opinion, should not be sold by pharmacists, but in practice publication of such a list was beset by legal difficulties. The Society could discipline only its own members; what was most needed was control over those who distributed medicines through other channels, such as the post.

A Students' International

Mr. J. E. Shinner spoke of a proposal to set up an international organisation of pharmacy students. Such a body, he said, should be independent, even financially. There were two possible approaches: through the International Union of Students and through the International Pharmaceutical Federation. He asked Mr. Linstead for his views. A difficulty was to ensure continuity for the organisation, owing to regular changes in membership. Mr. Linstead said he had not discussed the matter with the Federation, but thought it might be possible for at least the clerical work of an international students' body to be undertaken by the permanent staff of the Federation. The Federation, however, was not rich and was constantly faced with difficulties caused by currency restrictions.

Mr. J. F. O'Grady, Dublin, said that if pharmaceutical qualifications were made internationally interchangeable, Irish pharmacists might suffer from the infiltration into Eire of branches of the multiple firms. Mr. Linstead replied that reciprocity, in itself, would not cause such a danger. The Pharmaceutical Society of Great Britain had a reciprocity arrangement with the Pharmaceutical Society of Northern Ireland, but the Northern Ireland Society continued to regulate the conditions under which pharmacy should be practised there.

Miss J. Ashton, Brighton, was informed that there was little likelihood of legislation restricting the sale of proprietary medicines to pharmacists.

Mr. J. Bain (president, Glasgow Pharmacy Club) proposed a vote of thanks.

On the afternoon of April 8, the delegates made up into parties to visit the works of May & Baker, Ltd., Dagenham, Burroughs Wellcome & Co., Dartford, and the pharmaceutical department of the Westminster Hospital, London. An informal dance was held in the evening, and the next morning was left free to give delegates an opportunity for seeing London.

Pharmacy in Switzerland

On Friday afternoon (April 9) was held a symposium session—an innovation at B.P.S.A. conferences. The first speaker was Mr. Robert Alther, Switzerland, who read, in English, a paper on "Some Aspects of Swiss Pharmacy." In Switzerland it was recognised, he said, that a good education, in its widest sense, was always the basis for a pharmacist's education. After primary school, a student received a general education at a secondary school or gymnasium. After six or seven years he received a certificate that entitled him to commence studying for a profession. A pharmacy student studied natural sciences for one-and-a-half years, took a first intermediate examination, served an apprenticeship of one-and-a-half years in a pharmacy or hospital dispensary, and then took the second intermediate, qualifying him to act as an assistant. After a year as assistant, he went back to high school or university for a final two-year course leading to the Federal diploma entitling him to practise in any part of Switzerland.

[*To be concluded*]

MISCELLANEOUS INQUIRIES

Formulas given below may have been prepared for overseas subscribers and the inclusion of substances therein is no indication that they are available in Britain or, if available, permitted to be used for the purpose.

Base in Physeptone.—*H. S. G.*—The percentage figure for base in *dl*-2-dimethylamino-4 : 4-diphenylheptane-5-hydrochloride (Physeptone) recognised by the Drugs Branch of the Home Office is 89.5.

Curing Pelts Without Alum.—*H. J.*—In a method of curing pelts using mercuric chloride, the parts subject to decay are treated with a saturated solution of mercuric chloride (finely ground) in a mixture of equal parts of spt. vini. rect. and water.

Surgical Spirit.—*S. M.*—When surgical spirit is made by persons authorised to receive industrial methylated spirits, in accordance with one of two permitted formulas, there are no revenue restrictions on its supply, distribution or sale.

Insect Repellent.—*A. T.*—A repellent recommended by the Air Ministry for use against midges and sandflies has the following formula:—

Dimethyl phthalate	6
Dimethyl-carbobutoxy-dihydro-pyrone	2
Hexanediol (Rutger's 612)	2

Denture Fixative.—*A. D. A.*—The following is a formula for a denture fixative:—

Tragacanth, in powder	50 gm.
Acacia, in powder	44.5 gm.
Boric acid	5 gm.
Vanillin	0.5 gm.

Aluminium Ointment.—*H. D.*—An ointment of metallic aluminium may be made to the following formula:—

Aluminium metal (in impalpable powder)	1
Zinc ointment	2
Liquid paraffin	q.s.

Unsweetened Health Salts. — *K. D. R.* — The following formula is for an unsweetened health salt:—

Sodium bicarbonate	17 oz.
Tartaric acid	9 oz.
Citric acid	5 oz.
Exsiccated sodium sulphate	7½ oz.

Statutory Instruments.—*E. P. N.*—Statutory Rules and Orders were authorised under the Rules Publication Act, 1893, which was automatically repealed when the Statutory Instruments Act, 1946, came into effect on January 1, 1948. The new Act applies the term Statutory Instrument to any document by which His Majesty in Council, or any Minister of the Crown, exercises power under an Act of Parliament to make, confirm or approve orders, rules and regulations or other subordinate legislation. Copies of individual Statutory Instruments are obtainable from H.M. Stationery Office or through commercial booksellers.

Mechanisation in Factory Offices.—*B. O. M.*—If it is proposed to introduce mechanised systems into the office organisation of the factory, useful information is to be found in a recent publication by the British Standards Institution, "Office Mechanisation—office aid to the factory." The booklet is principally of value in enabling the factory executive to determine which of the many available machines is likely to give him the greatest help. Each section of the office is considered in turn (general, cost, production planning and control, offices and stores). Copies of the booklet may be obtained from the British Standards Institution, 28 Victoria Street, London, S.W.1, price 2s. 6d., post free.

Cystine from Hair.—*B. S. R.*—In a semi-scale method for the production of cystine from hair, batches of 30 lb. of hair are weighed into a series of 50-litre heat-resisting flasks, hydrochloric acid solution is added, and the contents of the flasks are boiled for ten hours, the acid-hair mixture being cooled and passed through a filter-press. The clear amber filtrate is treated with sodium hydroxide solution in a 100-gall. jar. After the product has been allowed to stand, the supernatant liquor is withdrawn, the sludge redissolved in acid, and the solution clarified with activated charcoal. The solution is further purified, and when it is water clear, the cystine is precipitated with sodium acetate and the pure cystine eventually separated out and dried.

Sales at Branch Shops. — *W. H. P.* — Where a limited company has a number of branches at all of which drugs are sold, it is not necessary, in order that the company may be an authorised seller of poisons, that every branch business should be under the personal control of a registered pharmacist, provided that, in any branch not under direct supervision of a pharmacist, the retail sale of drugs, or of drugs and medical appliances, or of drugs and surgical appliances, or of drugs and medical and surgical appliances, does not constitute "a substantial part" of the business carried on at the premises. Drugs sold at the branch must have been put up for sale in containers elsewhere, and the containers must be supplied to customers unopened. No drugs may be dispensed or compounded on the premises, and prescriptions must not be received at the premises for compounding at another branch of the same business at which a qualified man is employed.

Electrolytic Hydrogen Peroxide.—*D. F. C. L.*—Hydrogen peroxide is produced electrolytically by the "persulphate" process, which has been developed in three stages. Originally, persulphuric acid was made from sulphuric acid by electrolysis and hydrogen peroxide separated by warming and vacuum distillation. Later, ammonium sulphate dissolved in sulphuric acid was used as the electrolyte in place of sulphuric acid alone, and the resulting ammonium persulphate was converted to the sparingly soluble potassium salt by adding potassium hydrogen sulphate. The potassium persulphate which separated was subjected to vacuum distillation with sulphuric acid and steam. More recently, ammonium persulphate solution has been vacuum-distilled direct (without conversion to the potassium salt). All three processes are cyclic, the residue from distillation being reused. A number of modifications have been made in practice by manufacturers, but little information is available concerning them.

CORRESPONDENCE

Preparing For N.H.S.

SIR,—Can we have the new B.P. ready for July 5? Also the B.P.C. and the new National Health Formulary? We have stopped buying now because of the Budget —we are holding on till July. We then hold on till September 1, which is too late for our winter buying. Today and in the next nine weeks our stocks will be the lowest in the history of chemists' shops. So in July we could start with good, fresh, clean, new stocks.

Yours faithfully,
F. W. R.

Employee Organisation

SIR,—If any objection could justifiably be raised against any financial assistance from the Pharmaceutical Society for the formation of the National Pharmaceutical Employees' Union (see *C. & D.*, March 20, p. 383). the Society could at least have given encouragement and recommendation. Had this been done, I am confident that the N.P.E.U. would by now be representing a high proportion of non-proprietor pharmacists.

Yours faithfully,
Bradford. J. W. KITCHING.

Dispensing Technicians

SIR,—The legal position of "unqualified dispensers," especially those who have been so termed for many years, is deplorable, and I would like to plead for recognition by the Pharmaceutical Society of these men, who have expert knowledge of Dangerous Drugs, scheduled poisons, and dispensing, and who have spent their lives in an important and exacting occupation. Their position is degrading and humiliating. A "qualified cover" has to be employed to "superintend" the dispensing of prescriptions, and often the "cover" is a much younger man with little experience and knowledge. I would welcome suggestions of readers who would like to take the matter to the Society. My own views are that persons who have, for the past fifteen to twenty years, been continuously employed for an average of forty-four hours per week as dispensers, and have served a three years' indentured apprenticeship under a qualified chemist, should be recognised as Associate members, with a suitable certificate, on payment of an annual subscription to the Society. The certificate should give the holder authority to be responsible for D.D.A. items and poisons. Surely, a lifetime of faithful service in the profession should warrant greater recognition than that accorded to young lady counter assistants.

Yours faithfully,
Margate. RICHARD DEERING.

Disadvantages of DDT

SIR,—I am glad that you have drawn attention in the *C. & D.* (April 10, p. 470) to the non-selective action of DDT when used as a horticultural insecticide. This substance may, in addition to killing benefical predatory insects, rapidly reduce the bee population with disastrous effects on fruit growing. Research on the subject is being carried on at Rothamsted and if any of your readers observe that bees are dying off when fruit trees are being sprayed in their neighbourhood they are asked to communicate as soon as possible with the Chief Bee Advisory Officer, N.A.A.S., Rothamsted Lodge, Hatching Green, Harpenden, Herts (Telephone: Harpenden 4056), giving detailed information.

Yours faithfully,
APIARIST.

Shops and Centres

SIR,—Mr. A. A. Meldrum (a member of the Pharmaceutical Society's Council) said in 1947 that "within the next generation chemist's shops will be a rarity." As Mr. Meldrum is a staunch supporter of the New Education Policy, the wish may be father to the thought. Mr. Meldrum does not share my fear in this respect (*C. & D.*, March 20, p. 361). He is one of the causes of it. Professor D. M. Dunlop (Privy Council Visitor to the Society's board of examiners in Scotland) suggested in his report for 1947 that young men and women who have done very well at school may feel that medicine or pure science offers them a wider scope and fuller prospects than pharmacy. Reducing the qualifications to a single standard will make pharmacy even less attractive than it appears to be, if that one qualification is to be a degree. I have not so far heard it suggested that doctors should have only one qualification (M.D., or a Fellowship) so that they can offer the Minister of Health the "best possible service," as has been suggested by some of the Society's speakers.

Yours faithfully,
Anstruther. R. S. WHITELAW.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex St., W.C.2, April 14

BUSINESS in PHARMACEUTICAL and FINE CHEMICALS on home trade account has again been slow and buyers have confined their purchases to immediate requirements. Some improvement in output of MAGNESIUM OXIDE and CARBONATE is reported but supplies are still difficult to obtain. Following the reduction of CAFFEINE CITRATE announced last week, lower prices are announced for the ALKALOID and other caffeine compounds. Prices of THEOBROMINE have also been reduced. It is understood that increased competition from foreign makers is responsible for these reductions. Other prices remain unchanged but a firmer tone is reported for ASPIRIN and LEAD ACETATE.

Trading in BOTANICAL DRUGS has been on a reduced scale during the past week and, although prices quoted are without material alteration, it is evident that merchants are more willing to entertain bids for many articles. AGAR has met with a good inquiry from Continental buyers, and it is understood that in some instances the Board of Trade has granted export licences. Cape ALOES prices are rather lower but demand has been small. CASCARA SAGRADA is attracting little attention. CANADA BALSAM supplies on the spot are hard to find; it is reported that the issue of import licences is being severely restricted. GUM ACACIA arrivals at Port Sudan have been smaller and the market is firm. TRAGACANTH is easier for the pharmaceutical quality in the absence of buyers; a fair business has been done, however, in the lower grades of gum. There has been some activity in the forward market for TURMERIC and shipment prices are now at 95s., c.i.f. The WAX market has been quiet and prices, generally, have shown a small decline.

Inquiry for ESSENTIAL OILS has been small and prices in the spot and forward markets have not appreciably changed on the week. In EXPRESSED OILS, supplies of ALMOND, B.P., are offered at around 9s. 6d. per lb., and most holders of APRICOT KERNEL are asking similar prices. TEASEED OIL is quoted at 60s. to 65s. per gall.

U.S. Drug and Chemical Report

New York, April 9

NUMEROUS articles in the PHARMACEUTICAL and FINE CHEMICALS markets were advanced on April 1. Generally firm conditions are expected to prevail throughout the second quarter of the year. PHENOBARBITONE prices were increased during the week because of steadily rising raw material costs. The inside price for this material now becomes $4.00 per lb., compared with $3.85 previously. DDT concentrates have been marked down and the new price for car load quantities of dry dust concentrate is 21½ cents per lb., in drums, delivered, while wettable material is now available at 22½ cents per lb.

Trading was again very limited on the CRUDE DRUGS markets last week although considerable interest was aroused by the announcement of higher primary centre prices for CARNAUBA WAX despite the small demand here and the belief that considerable stocks are in existence. This was followed by increases in market prices ranging from four to six cents a pound. New-crop CASCARA SAGRADA is understood to have been offered at 36 cents per lb. for July-August shipment, which compares with the current spot price of 41 to 43 cents per lb. While the price of Brazilian MENTHOL is unchanged at $8.60 per lb. on the inside, it is reported that about 20 cases of Japanese menthol have been offered, but at $8.00 per lb., f.o.b. Japan, or about $8.75 landed.

The ESSENTIAL OILS market lacked feature last week and buying was mainly confined to immediate requirements. Italian produce showed signs of unsettlement while French goods were inclined to be somewhat easier, reflecting currency devaluation.

Pharmaceutical Chemicals

BARBITONE.—Base and soluble are available at prices from 43s. 6d. to 46s. per lb.

BARIUM SULPHATE, B.P. (*x*-ray).—1 cwt. is quoted at 1s. 3d. per lb. Schedule rates per lb. (containers in brackets), for quantities between 28 lb. and 1 cwt. are as follows: 1s. 8d. (1-lb.), 1s. 7d. (2-lb.), 1s. 6½d. (4-lb.), 1s. 5½d. (7-lb.), 1s. 5d. (14-lb.), 1s. 4d. (28-lb.).

BENZOCAINE.—Current rates per lb. are 40s. 9d. for 28-lb. lots and 41s. 3d. for 14-lb.

CAFFEINE.—Prices have been reduced. ANHYDROUS ALKALOID is listed at 44s. 6d. per lb.; ALKALOID, B.P. powder, 42s. 6d.; CITRATE, 27s. 6d.; SODIUM BENZOATE, 28s.; SODIUM IODIDE, 32s.; and SODIUM SALICYLATE, 28s. 9d. 7-lb. lots are 1s. per lb. and 28-lb. lots 2s. per lb. less than above prices.

CHLOROFORM.—Current rates are as follows: 1-cwt. lots in winchesters, 3s. 2½d. per lb.; 56-lb. lots, 2s. 11½d. per lb.; in drums, 3s. 1d. and 3s. 1½d. per lb., respectively.

CHLOROPHYLL.—Pharmaceutical quality is quoted at 60s. per lb.; soapmakers' grade is offered at 17s. 6d. per lb.

CITRATES.—Makers' rates are as follows: POTASSIUM, 5-cwt. lots, 2s. 9½d. per lb.,

1 cwt., 2s. 10½d.; schedule prices for quantities of 28 lb.-1 cwt., per lb., are as follows (containers in brackets): 3s. 8½d. (1-lb.); 3s. 7d. (4-lb.); 3s. 6d. (7-lb.); 3s. 5½d. (14-lb.); 3s. 4½d. (28-lb.). FERRI ET AMMON. CIT., B.P., 7d. per lb. above. SODIUM B.P., 3d. per lb. below; POWDER 1d. per lb. extra.

CREAM OF TARTAR.—Current rates for the home trade are as follows: 10-cwt. lots, 181s. per cwt.; 5 to 10-cwt., 182s.; less than 5-cwt. and more than 2-cwt., 183s.; less than 2-cwt. and more than 1-cwt., 185s.

GLYCEROPHOSPHATES. — Makers' list prices per lb. are as follows: CALCIUM SOLUBLE, 10s. 6d.; IRON SCALE, 11s. 9d.; ACID, 20 per cent. (B.P.C.), 8s. 3d.; MAGNESIUM (INSOLUBLE), 10s.; MAGNESIUM (SOLUBLE), 19s. 3d.; MANGANESE, 24s. 3d. POTASSIUM, 50 per cent., 5s. 11d.; 75 per cent., 7s. 9d.; SODIUM, 10s. 9d.; 50 per cent., 4s. 7d.; 75 per cent., 5s. 8d. Quantities of 7 lb., 6d. per lb. lower than above rates; other quantities in proportion.

ROCHELLE SALT.—Current rates per cwt. are as follows: 1 cwt., 162s. 6d.; 5 cwt., 160s. SEIDLITZ POWDER, ordinary strength is quoted at 126s. 3d.; extra strong, 136s.; and double strength, 141s. 9d. per cwt.

SALICYLSULPHONIC ACID.—Makers' quotation for this reagent is 15s. per lb.

SALOL, B.P.C.—Current quotations for quantities of 28 lb. to 1 cwt. are from 9s. to 9s. 4d., according to pack. Prices for larger quantities are around 7s. 6d. to 8s. per lb.

SANTONIN.—Prices are unchanged: 5 kilos, £44 per kilo; less than 5 kilos, £45; 1 kilo, £46; half-kilo, £47; quarter-kilo, £48 per kilo; carriage paid in U.K.

SODIUM ALGINATE.—Current rates per lb. are as follows: 7-lb. lots, 7s. 3d.; 28-lb., 7s.; 1-cwt., 6s. 6d.

SODIUM HYDROXIDE.—Packed in 1 lb. bottles (free), prices range from 3s. 7d. to 4s. 3d. per lb.

SODIUM TAUROGLYCOCHOLATE. — Current quotations are at 45s. per lb.

STEARATES.—Current rates per cwt. in 1-cwt. lots, are as follows: ALUMINIUM, 235s. 6d.; CALCIUM, 217s. 6d.; MAGNESIUM 237s. 6d.; LEAD, 240s. 6d.; ZINC, 222s. 6d. 5-cwt. lots are 2s. 6d. per cwt. less, and 1-ton lots 7s. 6d. less per cwt. than above prices. Carriage paid in U.K.; packing free.

SULPHACETAMIDE. — Supplies have improved. BASE is quoted at 40s. per lb. and SOLUBLE at 37s. 6d.

SULPHANILAMIDE.—Prices are steady as follows: 5-cwt., 6s. 3d.; 1-cwt., 6s. 6d.; 28-lb., 6s. 10d.; 14-lb., 7s.; 7-lb., 7s. 9d. per lb., net; packing extra.

SULPHANILIC ACID, B.P.C. — Current quotations are around 6s. per lb.

TEREBENE.—Rates per lb. are as follows: Carboys, 3s. 9d.; 24 winchesters, 3s. 10½d.; 12, 4s. 1½d.; 6, 4s. 5d.

THEOBROMINE.—Prices have been reduced. ALKALOID is listed at 42s. 6d. per lb.; CALCIUM SALICYLATE, 26s. 3d.; SODIUM BENZOATE, 27s. 9d.; and SODIUM SALICYLATE, 26s. 3d. 7-lb lots are 1s. per lb. and 28-lb. 2s. per lb. less than above rates.

THIOGLYCOLLIC ACID. — Supplies are available at 22s. 6d. per lb.

THIOURACIL, B.P.C.—Quotations are unchanged at 55s. per lb.

THYMOL, B.P.—In short supply. Quotations are from 18s. to 18s. 9d. per lb., and upwards to 22s. 6d. per lb.

THYROID, B.P.—Prices for the home trade are from 17s. 9d. to 20s. per lb., according to quantity and seller.

THYROXINE SODIUM.—Makers' prices per gm. are as follows: 1 gm., 50s.; 10 gm., 45s.; 100 gm., 40s.

VALERIANATES.—Current quotations for quantities of 1 cwt. and over: IRON, SODIUM and ZINC, 42s. 6d. per lb.; AMYL ISOVALERATE, 37s. 6d.; ETHYL ISOVALERATE, 43s. 9d.; METHYL ISOVALERATE, 44s. 3d. MENTHYL is quoted at 95s. 6d. per lb.

VANILLIN.—Current rates are: 5 cwt., 22s. per lb.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller quantities, 22s. 9d. per lb. Supplies from maker are on quota.

New Rates for Alcohol

INCREASED maximum selling prices per proof gall. under the new Order (S.I. 1948, No. 584), which came into operation on April 1, are given below:—

Plain British Spirit: Where the number of proof gall. taken over any one year ending on December 31 is 300,000 and over, the maximum price (inclusive of delivery charges to the buyer's premises) is 2s. 6d.; 200,000 and over but under 300,000, 2s. 6⅞d.; 100,000 and over but under 200,000, 2s. 7⅝d.; 50,000 to under 100,000, 2s. 7⅞d.; 25,000 to under 50,000, 2s. 8⅛d.; 17,500 to under 25,000, 2s. 8⅜d.; 10,000 to under 17,500, 2s. 8⅞d.; 7,500 to under 10,000, 2s. 9⅞d.; 5,000 to under 7,500, 2s. 10⅞d.; 2,500 to under 5,000, 2s. 11⅞d.

Under 2,500 proof gall. for deliveries of 40 gall. or more in 40 gall. drums, 3s. 0⅞d.; in 10 gall. drums, 3s. 1⅞d.; any other containers, 3s. 1⅞d., together with a reasonable allowance for any additional expense involved by reason of such requirement; 10 gall. or more but less than 40 gall. in 10 gall. drums, 3s. 6⅞d.; any other containers, a reasonable allowance for additional expense may be added. For deliveries of less than 10 gall. there is no maximum price. The charge for drums or other containers, if retained by buyers, must be stated separately.

Absolute alcohol (*not distilled over lime*) and *Doubly rectified alcohol* (*S.V.R.*): The maximum prices, delivered to the buyer's premises, are one penny per proof gall. more than above rates.

Crude Drugs

ACONITE.—Quiet. Indian root on the spot is offering at 300s. per cwt.

AGAR.—Fine grades of strip are quoted from 19s. to 19s. 6d. per lb., with lower qualities available down to 17s. 9d.

ALOES.—Prices are steady with little business passing. Cape, on the spot, is offered at 150s.; shipment offers are at 138s. to 140s., c.i.f. Curaçao in boxes is offered at 210s. to 230s., spot; forward, 200s. per cwt., c.i.f Socotrine on the spot is quoted at 156s. to 190s. per cwt.

ANISE (STAR).—Quotations are from 120s. to 130s. per cwt., spot; shipment, 110s., c.i.f.

ANTIMONY.—Prices are unchanged. Current rates are as follows: 99.6 per cent., regulus, £190 per ton, delivered; 99 per cent., £180; 70 per cent. crude, £150.

ARECA NUTS.—Supplies of Ceylon on the spot are offered at 67s. 6d. per cwt.

ARNICA FLOWERS.—Quotations are from 2s. 3d. to 2s. 6d. per lb., spot.

ASAFETIDA.—Persian block is offering at £22 10s. to £24 per cwt., spot, with lower quality material (Indian) down to £15.

BALSAMS.—*Canada* is firm at 18s. 6d. per lb., spot. Pará *Copaiba*, spot, 5s. 3d. to 6s. per lb. for soluble. *Peru*, San Salvador, on the spot, is offering at 5s. 6d. per lb., duty paid. *Tolu*, 18s. 6d. per lb., spot.

BAY LEAVES.—Leaves without stems 95s. to 105s. per cwt., duty paid, quoted.

BISMUTH.—Current price of metal is 11s. per lb. for quantities of 5 cwt.

CAMPHOR.—Chinese tablets are offered at 9s. 9d. to 10s. 9d. per lb., duty paid; refined powder (B.P.) is quoted at 10s., with B.B. grade at 8s. 6d. to 9s.; crude powder, 7s. 6d.

CASCARA SAGRADA.—Quiet. 1947 peel on spot is quoted at 265s. to 275s. per cwt., according to holder; 1946 is at 270s. to 275s. New-crop, July-August shipment, 202s., c.i.f.

ERGOT.—Portuguese is offered at 4s. 3d. to 4s. 4½d. per lb., spot; 3s. 10d., c.i.f.

HENNA.—Sudanese on the spot is quoted at 100s. to 110s. per cwt.; Indian, 100s.

LIQUORICE.—Anatolian natural root is offered at 52s. 6d. per cwt., spot. Syrian natural is offering at 45s. to 48s. per cwt. on the spot. Italian block, 375s. per cwt., spot. Italian stick (1-oz. and 2-oz.) is quoted from £450 to £535 per ton, as to quantity and grade. Turkish block is steady at 235s. to 240s. per cwt.

PAPAIN.—East African No. 1 is offering at 26s. per lb. on the spot; Ceylon, 22s.

RHUBARB.—Chinese rough-round on the spot is quoted from 4s. 6d. to 5s. for sound root of good fracture, with 2s. 6d. to 3s. 6d. per lb. quoted for lower grade wormy material.

SEEDS.—The shipment market for Indian seed is still firm with very little business passing. ANISE.—Cyprus, 1s. 7d. per lb.; Turkish, 1s. 7½d. per lb., duty paid, spot London or Liverpool. CARAWAY.—Dutch quoted at 11d. per lb., duty paid, spot, London, and 11½d. per lb., duty paid in Liverpool. CELERY.—Indian is 1s. 3½d. per lb. ex wharf London or Liverpool. CORIANDER.—Argentine on the spot is 45s. per cwt. duty paid, in London, and splits, 36s. to 37s. 6d. per cwt., duty paid in London or Liverpool; Morocco old-crop is now offered at 45s. per cwt., f.o.b. Casablanca. CUMIN.—Indian is quoted at 217s. 6d. per cwt., spot London or Liverpool; Cyprus offered at 217s. 6d. per cwt., in London only. FENNEL.—Indian in London is offered at 72s. 6d. per cwt.; spot Liverpool quoted at 71s. per cwt. FENUGREEK.—Indian is 47s. 6d. per cwt., ex wharf, London, and 45s. per cwt., ex store, Liverpool. DILL.—Indian is quoted at 46s. 6d. per cwt., in London, and 45s., ex store Liverpool.

SHELLAC.—Spot quotations, ex warehouse, are as follows: F.O.T.N., pure, 335s.; Standard No. 1, 340s.; fine orange, 350s. to 390s. per cwt.

SQUILL.—Italian white is quoted at 67s. 6d. per cwt., spot; Italian red, 84s.

STRAMONIUM.—Hungarian, on the spot, is offered at 115s. per cwt.; Indian, 60s.

STROPHANTHUS.—100 per cent. Kombé is offered at 12s. per lb. on the spot.

TONKA BEANS. — Quiet. Frosted Pará is quoted at 5s. per lb., spot.

TRAGACANTH.—An easier market. Selected white ribbon on the spot is offered at £108 per cwt.; other white grades, from £58 to £98; pale leaf, £33 to £50; amber, £23 to £33; red, £13 to £17; hoggy, £5 to £10.

TURMERIC.—Madras finger is nominal at 120s. per cwt., spot; shipment, 95s., c.i.f.

UVÆ URSI.—Parcels on the spot are offering at 1s. per lb.

VALERIAN.—Belgian root is at 175s. to 180s. per cwt., according to holder; Indian, 160s. per cwt.

WAXES.—The market has eased, reflecting a smaller volume of inquiry. Dar-es-Salaam BEES' is quoted at 385s. per cwt., spot; shipment, 355s., c.i.f. Lindi is offered at 352s. 6d. per cwt., spot; Benguela is available at 370s., duty paid; shipment, 315s., c.i.f. CANDELILLA.—390s. per cwt., spot, and 380s., c.i.f., for April-May shipment. CARNAUBA.—Fatty grey, 480s., spot; shipment, 435s., c.i.f. Prime yellow, spot, 820s. per cwt.; shipment, 725s., c.i.f. MONTAN.—Reibeck is offered at 325s. and Czechoslovak crude at 290s. per cwt., spot. OURICURI.—6 per cent., on spot, 375s. per cwt. 5 per cent. shipment, 390s., c.i.f. 1 per cent., spot, 430s.; shipment, 415s., c.i.f. 2 per cent., spot, 420s.; shipment, 400s., c.i.f. SPERMACETI.—Quoted at 4s. 2d. per lb., spot.

Essential and Expressed Oils

ALMOND.—Sweet oil (B.P.) is offered at 9s. 3d. to 9s. 9d. per lb. Bitter essential oil is quoted from 30s. to 55s. per lb., according to quality and seller.

ANISE.—Chinese star, on the spot, in drums is offered at 6s. per lb., 5s. 6d., c.i.f. In tins, quotations are at 6s. 1½d. per lb., spot; shipment, 5s. 8d., c.i.f.

APRICOT KERNEL.—Quotations are from 7s. 9d. to 10s. per lb.

BAY.—West Indian is steady at 7s. to 8s. 6d. per lb., spot.

CADE.—Prices are from 3s. 9d. to 5s. per lb., according to holder and quantity.

CAMPHOR.—White oil on the spot is quoted at 2s. 10d. to 3s. per lb., duty paid.

CORIANDER. — English-distilled oil is nominally priced at 260s. per lb.

CUMIN.—Price for English-distilled oil is 75s. per lb.

DILL.—English-distilled oil is quoted at around 62s. 6d. to 70s. per lb.

EUCALYPTUS.—70-75 per cent. (B.P.). is offering at 4s. 9d. per lb. for drums, and up to 6s. 6d. for smaller quantities; shipment, 3s. 8d., c.i.f.

GARLIC.—English-distilled oil is available at 70s. per oz.

GERANIUM.—Bourbon is available at prices from 60s. to 70s. per lb., as to grade.

JUNIPER BERRY.—Imported oil is offered at from 25s. to 30s. per lb.; English distilled is quoted from 35s. to 100s. per lb., according to grade.

LIME.—West Indian is maintained at from 27s. 6d. to 30s. per lb., according to holder and quantity.

NUTMEG.—English-distilled oil is offered at from 39s. to 40s. per lb.

PEPPERMINT.—English-distilled "Mitcham," is quoted at 180s. to 225s. per lb.

ROSEMARY.—Spanish is offered at 7s. 6d. to 10s. per lb., according to quantity.

THYME. — Red oil (40-42 per cent. phenols), 13s. 6d. to 16s. per lb.; white oil, 17s. to 18s. 6d. per lb., spot.

Synthetics and Isolates

DEMAND continues on a routine scale for all types of aromatic chemicals. Output of most products has been on a satisfactory scale, with a few exceptions which include synthetics derived from phenol. Prices have not appreciably altered on the month; quotations for butyric acid and esters are lower. The increase in the rates for industrial alcohol will shortly be reflected in the prices of a limited range of products. Quotations are per lb. and vary according to grade, quantity and seller.

ACETOPHENONE.—10s. 6d. AMYL ACETATE.—2s. 9d. AMYL BENZOATE.—5s. 6d. to 6s. 6d. AMYL BUTYRATE.—6s. to 7s. 6d., easier. AMYL CINNAMIC ALDEHYDE.—17s. 6d. to 20s. AMYL PHENYLACETATE.—7s. 6d. to 8s. 9d. and upwards to 12s. 6d. AMYL SALICYLATE.—3s. 6d. to 4s. 9d. ANETHOLE.—12s. to 13s. ANISIC ALCOHOL.—65s. to 90s. ANISIC ALDEHYDE.—Ex paracresol, 22s. 6d. to 25s.; perfumery grade, 25s. to 27s. 6d.; ex anethole, 30s. to 32s. 6d.

BENZALDEHYDE.—4s. 9d. to 5s. 6d. BENZOPHENONE.—12s. 6d. to 13s. 6d. BENZYL ACETATE.—3s. 6d. to 4s. 6d. BENZYL ALCOHOL.—Perfumers', 3s. 6d. to 4s. 6d. BENZYL BENZOATE.—Perfumers', 4s. 9d. to 6s. 3d. BENZYL CINNAMATE.—12s. 6d. BENZYL ISOEUGENOL.—32s. 6d. to 35s. BENZYL PROPIONATE.—7s. to 8s. 6d. BENZYL SALICYLATE.—7s. to 8s. 6d. BENZYL SUCCINATE.—20s. to 22s. 6d. BENZYLIDENE ACETONE.—16s. to 17s. 6d. BORNEOL.—10s. 6d. BORNYL ACETATE.—9s. 6d. to 10s. 6d., easier. BROMSTYROL.—32s. 6d. to 35s. BUTYRIC ACID.—Prices are lower at 5s. 6d. to 6s. 6d.

CINNAMIC ALCOHOL.—16s. 6d. to 18s. CINNAMIC ALDEHYDE.—6s. 6d. to 8s. CINNAMYL ACETATE.—25s. CINNAMYL BUTYRATE.—30s. CITRAL.—15s. to 40s., according to grade. CITRONELLAL.—Lower prices are quoted from 32s. 6d. CITRONELLOL.—Ex Ceylon, 30s. to 32s. 6d.; ex Java, 37s. to 40s. COUMARIN.—19s. to 20s.

DIETHYL PHTHALATE.—2s. to 2s. 6d. DIMETHYL BENZYL CARBINOL.—50s. DIMETHYL HYDROQUINONE.—40s. to 42s. 6d. DIPHENYL METHANE.—6s. 6d. to 7s. DIPHENYL OXIDE.—5s. 6d.

ETHYL BENZOATE.—5s. 6d. to 6s. 6d. ETHYL BUTYRATE.—6s. 6d. to 7s. 6d., easier. ETHYL CINNAMATE.—11s. 6d. ETHYL ŒNANTHATE.—18s. 6d. to 20s. ETHYL PHENYLACETATE.—7s. to 8s. 6d. ETHYL PHTHALATE.—2s. to 2s. 6d. ETHYL SALICYLATE.—5s. to 6s. ETHYL VANILLIN.—46s. EUCALYPTOL.—10s. to 11s. 6d. EUGENOL.—13s. 6d. to 16s.

GERANIOL.—Ex Ceylon, 25s. to 27s. 6d.; ex Java, 35s. to 40s.; ex Palmarosa, 65s. GERANYL ACETATE.—Ex Java, 35s. to 42s. 6d.

HELIOTROPINE.—22s. 6d. to 25s. HYDROXYCITRONELLAL.—65s. to 80s.

INDOLE (per oz.).—18s. 6d. to 20s. IONONE (100 per cent.).—37s. 6d. to 40s. ISOBUTYL ACETATE.—2s. 6d. to 3s. 6d. ISOBUTYL BENZOATE.—5s. 6d. to 7s. ISOBUTYL SALICYLATE.—6s. to 7s. 6d. ISOEUGENOL.—17s. to 19s. 6d.

LINALOL.—50s. to 52s. 6d. LINALYL ACETATE.—52s. 6d. to 55s.

METHYL ACETOPHENONE.—12s. 6d. to 14s. METHYL ANTHRANILATE.—15s. to 18s. METHYL BENZOATE.—5s. 6d. to 7s. METHYL CINNAMATE.—12s. 6d. to 13s. METHYL PHENYLACETATE.—7s. 6d. to 8s. 6d. METHYL HEPTIN CARBONATE.—285s. METHYL IONONE.—40s. to 42s. 6d. and upwards. MUSK AMBRETTE.—None offering. MUSK KETONE.—45s., nominal. MUSK XYLOL.—13s. MUSTARD OIL (artificial).—16s. 6d. to 18s.

NEROLIN BROMELIA.—17s. 6d. NEROLIN YARA YARA. 9s. 6d. to 10s. 6d.

PARACRESYL ACETATE.—8s. to 9s. 6d. PARACRESYL PHENYLACETATE.—9s. 6d. to 11s. PHENYLACETALDEHYDE.—60s. PHENYLACETIC ACID.—8s. to 9s. 6d. PHENYLETHYL ALCOHOL.—20s. to 22s. 6d. PHENYLPROPYL ALCOHOL.—25s.

RHODINOL.—162s. 6d. to 167s. 6d.

SAFROLE.—10s. 6d. SANTALOL.—100s. STYROLENE ACETATE.—10s. 6d. to 11s. 6d.

TERPINEOL.—Perfumers', 5s. 3d. to 5s. 9d. TERPINYL ACETATE.—13s. 6d. to 15s.

TRADE MARKS

(*From "The Trade Marks Journal," March 24*)

"FENESINE"; for analgesic tablets (5). By Anti-Bi-San, Ltd., 274 Gresham House, Old Broad Street, London, E.C.2. 652,685.

"ODOTS"; for preparations for deodorising and purifying the air (5). By Commanditaire Vennootschap Chemische Fabriek Rids, Middenhavenstraat 36, Ijmuiden, Holland. 651,392.

"ULTREX"; for pharmaceutical preparations and substances not containing yeast; sanitary substances, medical and surgical plasters, material prepared for bandaging, and disinfectants (5). By Ulster Chemists, Ltd., 210 Grosvenor Road, Belfast, Northern Ireland. 652,472.

"DOFF"; for insecticidal powders and liquids for horticultural purposes (5). By Portland (Distributors), Ltd., Linby Road, Hucknall, Notts. 653,488.

"SANUCID"; for sulphonamides; "CORTOLIN"; for pharmaceutical preparations; "SECROLUTIN"; for pharmaceutical preparations consisting of or containing lutin hormones (5). By British Schering, Ltd., 167 Great Portland Street, London, W.1. 654,281, 655,611 and 656,271 (Associated).

"INOPHYLINE"; for medicinal preparations containing theophylline with ethylenediamine (5). By Anglo-French Drug Co., Ltd., 11 Guilford Street, London, W.C.1. B654,346.

"MYCIL"; for pharmaceutical preparations and substances (5); "MYANESIN"; for muscle relaxants being goods for export (5); "VENAFLASK"; for medical and surgical flasks for intravenous injections (10). By The British Drug Houses, Ltd., 16 Graham Street, London, N.1. B654,661, B666,373 and B654,660.

"ALKALOIDS SANDOZ" in horse-shoe and letter "S" design; for alkaloids prepared for pharmaceutical and veterinary purposes (5). By Sandoz, A.G., 60 Fabrikstrasse, Basle, Switzerland. 656,375 (Associated).

"PLANAGAL"; for all goods (5). By May & Baker, Ltd., Dagenham, Essex. 656,661 (Associated).

"SANCHAR"; for pharmaceutical preparations, sanitary substances, material prepared for bandaging, disinfectants and preparations for killing weeds and vermin (5). By the British Products Sanmex Co., Ltd., 23 St. Andrew's Square, Glasgow, C.1. 656,769 (Associated).

"LEXTRIKE"; for all goods (5). By Imperial Chemical (Pharmaceuticals), Ltd., Wexham Road, Slough, Bucks. 656,911.

"WILCAM"; for sanitary substances and disinfectants (5). By Wilkins Campbell & Co., Ltd., The Green, West Drayton, Middlesex. 665,301.

"TEKNAR"; for photographic apparatus (9). By Kodak, Ltd., Kingsway, London, W.C.2. 656,774.

"AJAX"; for contrivances made of india-rubber for use in relation to health (10). By Burge, Warren & Ridgley, Ltd., 45 City Road, London, E.C.1. 650,146.

(*From "The Trade Marks Journal," March 31*)

"IRANOPOL"; for industrial chemicals (1); for detergents and shampoos (3). By Anglo-Iranian Oil Co., Ltd., Finsbury Circus, London, E.C.2. 657,142-43 (Associated).

"GRY"; for soaps and cosmetics (other than toilet preparations) (3). By the Gry-Moff Co., Ltd., Union Works, Union Lane, Droitwich. 655,570 (Associated).

"GOYA HEATHER" (word "Heather" disclaimed); for perfumes, toilet essences, lipstick and face powder; silhouette of antelope's head and the letter "G" (letter "G" disclaimed); for non-medicated toilet preparations, perfumes, cosmetics, sachets for hair waving, soaps and essential oils (3). By Goya, Ltd., 161 New Bond Street, London, W.1. 656,125-26 (Associated).

"ZISKA"; for depilatories (3). By the London & Colonial Export Co., Ltd., 39 Shaftesbury Avenue, London, W.1. 656,591.

"SOLITAIRE"; for perfumes (3). By Mem Products, Ltd., 33 Aldrington Road, London, S.W.16. 656,780.

"MELINCTA"; for pharmaceutical preparations containing honey (5). By Allen & Neale (Chemists), Ltd., 55 High Street, King's Lynn, Norfolk. 650,582.

"UROTRAMIN"; for pharmaceutical preparations containing amines for use in the treatment of disorders of the urinary system (5); "TESTOLIN"; for pharmaceutical preparations comprising hormones (5). By British Schering, Ltd., 167 Great Portland Street, London, W.1. 654,285 and 655,613 (Associated).

"INTOCOSTRIN"; for pharmaceutical preparations for producing muscular relaxation (5). By E. R. Squibb & Sons, 745 Fifth Avenue, New York, U.S.A. 655,445.

"PELSIN"; for insect-repelling preparations and insecticides (5). By Chemo-Plastics, Ltd., 59 Old Bailey, London, E.C.4. B654,477.

"SECTO" and device of spray gun (device of spray gun and letter "S" disclaimed); for insecticides (5). By Cupal, Ltd., Blackburn, Lancs. 655,498 (Associated).

"MORHULINOL"; for medicated ointments, infants' dusting powders, powders for the treatment of scalds, burns, dermatitis and exanthema, and suppositories; all containing cod liver oil (5). By Priory Laboratories Ltd., 21 Eastbury Road, Northwood, Middlesex. 656,575 (Associated).

"WHIPPIT QUIK"; for sedative, tonic and analgesic tablets (5). By George Wright Taylor, 77 Sandringham Drive, Moortown, Leeds. 656,637.

"UVASMA"; for pharmaceutical preparations for use in the treatment of asthma (5). By W. D. Aitcheson, 22 Cumberland Street, Glasgow, C.5. 657,390.

"GEVILON"; for gentian violet preparations for pharmaceutical purposes (5). By Bayer Products, Ltd., Kingsway, London, W.C.2. 657,684.

(*From "The Trade Marks Journal," April 7*)

"INVATEX"; for chemical products for use in industry and science (1). By Ciba, Ltd., 141 Klybeckstrasse, Basle, Switzerland. 654,831 (Associated).

"VAY" in distinctive lettering; for lipstick cases (3). By Ross Products, Ltd., 2 Mile Oak Crescent, Southwick, Sussex. 652,947.

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References

Chemistry and Industry, 1944, 67.
Chemistry and Industry, 1944, 127.
Quarterly Journal of Pharmacy and Pharmacology, 1943, 232.
Pharmaceutical Journal, 1943, 58.
The American Perfumer, 1943, 163.
Journal of the Society of Chemical Industry, 1944, 107.
Journal of the Society of Chemical Industry, 1944, 8.
Oil and Soap, 1942, 144.
Oil and Soap, 1945, 81.
Nature, 1944, 824.

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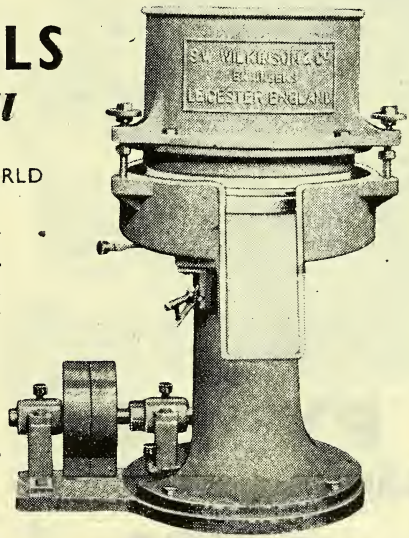

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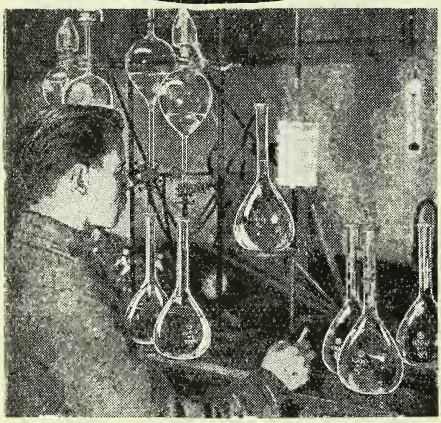

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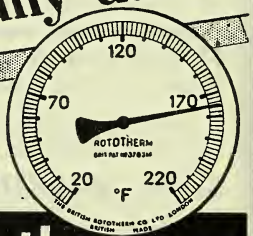

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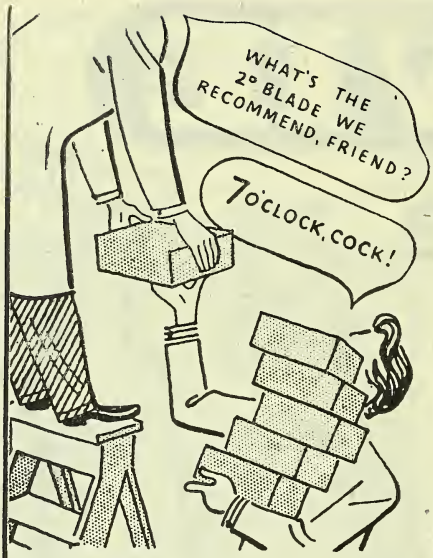

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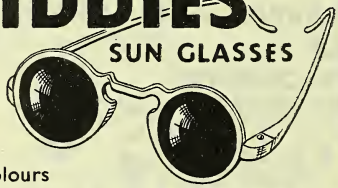

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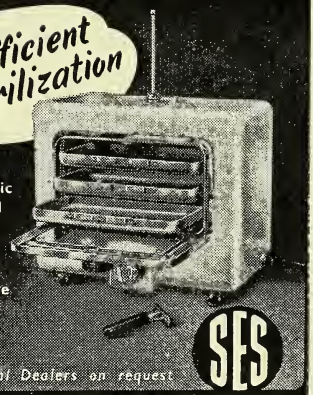

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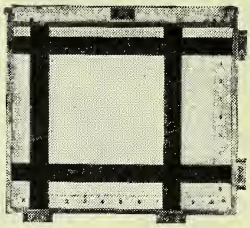

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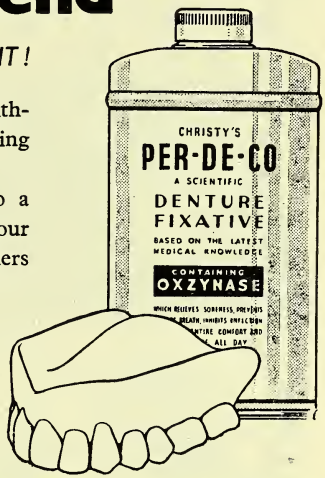

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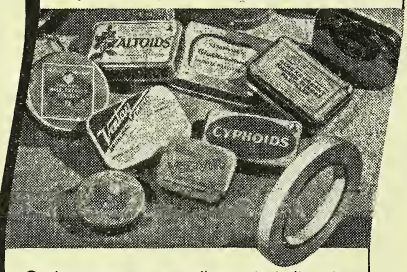

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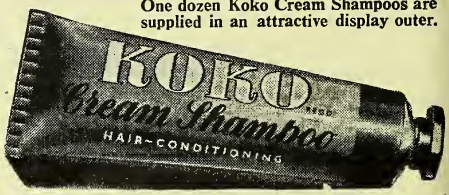
- . . . leaves the hair soft and glossy — HAIR CONDITIONING
- . . . LATHERS FREELY in hard and soft water
- . . . makes all types of hair EASY TO SET
- . . . no mixing, no liquid to spill, NO WASTE

Backed by a strong advertising campaign in selected newspapers and women's magazines.

One dozen Koko Cream Shampoos are supplied in an attractive display outer.



PURCHASE TAX & PRICE REDUCTION
New retail price, 3/- per tube. Wholesale, 16/8 per doz. Retailer, 19/7 per doz. Purchase Tax, 6/7 per doz.

Order through your wholesaler.

Koko-Maricopas Co., Ltd., 3 Fleet Lane, London, E.C.4

RALGEX

in NEW ALUMINIUM CONTAINER

In order to overcome the carton shortage, RALGEX is now being packed in an aluminium container.

Until the new container is in full production the old carton will continue to be used as an alternative pack so as to maintain supplies. The contents of both packs are identical though the new container is slimmer, as less thickness is required to protect the stick.

Outstanding orders have now been cleared and we can give delivery by return as we do for DIUROMIL.

PHARMAX LIMITED

The Organ Works, Old Hill, Chislehurst, Kent

DT3

THE most popular ANTI-MIDGE cream

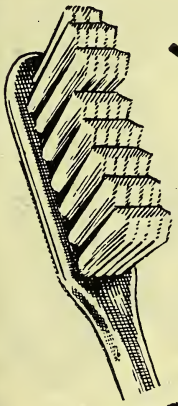
DIMP is rapidly establishing itself as the most popular Anti-Midge Cream. Following on last year's successful season, DIMP is now re-appearing with a bright new display carton, attractive pictorial showcards and window bills in colour.

Display DIMP and benefit by the extra sales that greatly increased National Advertising will bring you.

DIMP is dimethyl-phthalate in a pure white, odourless, non-greasy cream.

SCOTT & TURNER Ltd

NEWCASTLE-UPON-TYNE



You're the one!

who decides what goods you will sell. See that those goods bring you prestige as well as profit. That means

QUIZ

toothbrush

R.A.Rooney & Sons, Ltd. London, E.17

Michel

Exquisite Charm

SOLE DISTRIBUTORS U.K.
ANGLO-AMERICAN DISTRIBUTING CO., LTD.
DANES INN HOUSE, 266, STRAND, LONDON, W.C.2

Now Available!

ORDER NOW WHILST THEY ARE STILL AVAILABLE FOR THE **HOME MARKET**

Behind the "Allure" Perfume Hairbrush is the heavy and sustained advertising at home and abroad which for years has been building up to this moment when, for the present, at least, we can fulfil all your orders.

The "Allure" Perfume Hairbrush is advertised by Showcards on all London Underground trains and on slides in cinemas throughout Great Britain.

Give these brushes prominent display and always show one brush apart as this calls attention to the fact that it is not an ordinary brush.

The KENT-COSBY (PATENT) "Allure" PERFUME HAIRBRUSH

PRESS ADVERTISEMENTS REGULARLY APPEAR IN

Evening Standard
Tatler & Bystander
Punch
Sketch
Vogue
Good Housekeeping
Lady
and many other journals

- Bristles take out to wash
- Handleback never spoilt by water
- Absolute cleanliness at bristle roots

G. B. KENT & SONS LIMITED
24 OLD BOND STREET : LONDON : W.1
'Phone: Regent 1471/2/3. Tel.: Tricho, Piccy, London

BY APPOINTMENT BRUSHMAKERS

BRADFORD EDUCATION COMMITTEE

TECHNICAL COLLEGE

BRADFORD

CHEMICAL ENGINEERING

A full-time course in CHEMICAL ENGINEERING will be held in the College during the Session 1948-49. Applications for admission to the course should be made by 31st May, 1948.

The course is open to graduates in Science and in Engineering, and will serve as a preparation for Associate Membership of the Institute of Chemical Engineers.

Further particulars may be obtained from the Principal, Technical College, Bradford

This great

FREE HAIR STYLE OFFER

will increase sales!

n individual West End hair style suggestion, free all users of Missie Shampoo, will meet with emendous response. It will build goodwill and imulate sales. Give full prominence to Missie ampoo in your window and counter display and ake sure of your share in this profitable business.

Your customers will receive their free photographic hair style suggestion—simply by posting a full faced photograph with name and address on the back, plus an empty Missie packet, to :—

Missie

SHAMPOO

aldwin Chemical Industries Limited, Harlow, Essex

The Royal Dental Hospital of London

SCHOOL OF DENTAL SURGERY

(UNIVERSITY OF LONDON)

Leicester Square, London, W.C.2

Men and Women Students are admitted for the Curriculum for the B.D.S. Degree and the L.D.S. Diploma in October, January and May.

HOSPITAL PRACTICE. The school is furnished with modern equipment, and the Clinic of the Hospital is unrivalled. Students may attend the operations and chair-side instruction is given by the Surgeon of the day. Special instruction is given in Advanced Operative Technique, Orthodontics, Radiology and Clinical Photography and Visual Education.

DENTAL PROSTHETICS. The Mechanical Laboratory is a spacious and fully equipped department, under the direction of the Lecturer in Prosthetics.

HOUSE APPOINTMENTS. Six Senior House Surgeons and eighteen ordinary House Surgeons are appointed every year.

SCHOLARSHIPS. A number of Scholarships, Bursaries and Prizes are awarded annually, including an open Entrance Scholarship of £50.

Applications for further particulars and School Calendar are invited by the DEAN

TWO charming relations

In the Steiner range of beauty products, two only are not hair specifics. But the name and glamorous reputation of the Steiner Salons are behind them, ensuring immediate attraction and sales. Indeed, Eau Dentifrice has, for some years, had a prominent place in its own right on the bathroom shelves in good class homes ! Both preparations offer good profit margins. Ask for special display terms.

Steiner

HAIR BEAUTY PREPARATIONS

T.3

Retail prices including purchase tax :

Eau Dentifrice 2/-, 3/3, 6/-, 11/6
Handmilk 8/3

Write for trade terms to :
DOBSON & STEINER LIMITED,
66 GROSVENOR STREET W1 MAYFAIR 8740

A proud Product of British "Progress"

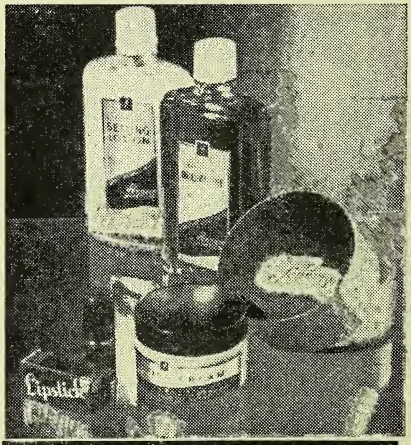
VULFIX

SHAVING BRUSHES

Quality and Reliability make them a "Best Seller"

★ VISIT OUR STAND No. D. 11
B.I.F. OLYMPIA, LONDON

PROGRESS SHAVING BRUSH CO., Ltd.
MOTTRAM ST., STOCKPORT
Illustrated export catalogue now available on request from our London Office.
49 Leadenhall Street, London, E.C.3.



Beauty NATURALLY NEEDS *Fenners* COSMETICS

Write for Brochure and Trade Price List to:-
FENNERS COSMETICS, Alford, Lincs

The Knox Policy

The Policy of the Knox Laboratories Ltd., has always been one of creating product confidence by giving users an assurance of satisfaction

Today, in their Nation-wide advertising, all announcements carry this guarantee of honest trading and straightforward dealing

MAKE THIS TEST

To prove that Cystex may be the very medicine you need to put you on the road to better health than you have had for a long time, get Cystex from your chemist today, price 1/7. This will enable you to see how quickly Cystex gives relief and benefit to health.

Cystex
THE KIDNEY TONIC
For KIDNEYS, BACKACHE RHEUMATISM

SUPPLIES THROUGH YOUR USUAL WHOLESALER
All orders executed promptly in full.

Mendaco
For ASTHMA BRONCHITIS, HAY FEVER

KNOX LABORATORIES LTD., 29 Duke St., St. James's London, S.W.1
'Phone : Regent 4562

FERBER'S for CAPSULES

in bulk or packed

Apiol
Apiol and Ergotine
Blauds
Blenosan
Carbon Tetrachloride
Cascara
Castor Oil
Cinnamon and Quinine
Cod Liver Oil
Copaiba
Creosote
Ergot
Easton's Syrup
Gregory Powder
Guaiacol
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Hæmoglobin
Ichthyol
Malefern
Olive Oil
Quinine
Santal Oil, Sulphonamide, Wheat Germ Oil, etc., etc.,

Makers of "Calcivita" Capsules for the treatment of Colds, Chilblains and circulatory deficiency. "VITA-MAXA" Capsules—a multi-vitamin capsule correcting present food shortages to a properly balanced diet.

Send for quotations:—

ROBERT FERBER LTD. CARLTON WORKS · ASYLUM ROAD · S·E·15 (TELEPHONE NEW CROSS 0768)

TRADE TERMS

The Tek Junior which will sell at 1/3d. including purchase tax will be supplied to the trade at Johnson & Johnson's usual generous terms. You should order now to ensure supplies.

A PERFECT BRUSH FOR THE CHILD

The Tek Junior has many special features which will appeal strongly to parents. Attractive counter display containers and showcards will help you to bring it to their notice.

A FULL DESCRIPTION OF THE BRUSH IS GIVEN IN SPECIAL LEAFLET WHICH WILL BE MAILED TO YOU

Johnson & Johnson (G.T. BRITAIN) LTD SLOUGH & GARGRAVE 25

Heading for Speedier Sales!

News! Increased advertising is spreading the story of BIOCRIN—the proved Shampoo-Reconditioner. Through more magazines more women are learning about this health-and-beauty treatment.

A Large Profit Margin and Regular Clientele For You!

Retail Sizes 18/6 and 30/- per dozen (plus 33⅓% tax) retailing at 3/- and 5/- each

Biocrin pomade shampoo

A product of Vine's Biocrin Ltd., London, W.2

New Exclusive

PLASTIC LACQUER

Superlative Quality. All shades and Pearl

Hardest Wearing — Does Not Chip
Bulk or Packed — Home or Export

Enquiries invited from Packers, Wholesalers and Retailers.

PREPARE

Your stocks of Leg Tan

NOW

for the coming season

USING AS USUAL

SELECTA LEG TAN DYE

New Super-suspensable formula in Beige, Tan, and Suntan

15/- pkt.

Labels and Bottles supplied if required

LOVELUCK EDWARDS & CO.

432/440 GARRATT LANE, LONDON, S.W.18

Hastings Honeymoon

DOMESTIC bliss was cheap in 1887. Matilda and Percival paid £8.15.0 for their 7-piece bedroom suite. It was a year of great expectancy. The full life of the gay nineties was just around the corner with its safety bicycle, bloomers, Gibson Girls and that amazing new invention the incandescent gas mantle. The mortality rate for children under five in London was 78.6 per thousand. Into this world of stark contrasts M.O.F. made its first appearance, one of the earliest attempts at adequate infant nutrition. For 54 years M.O.F. was confined to Scotland. Then in 1941 Scott's distributed their product on a national scale. In the 80's M.O.F. was as modern as the incandescent gas mantle. Today it belongs to the modern world of streptomycin and electronics.

Scott's, baby food manufacturers since 1887, are not only keeping pace with the advance of nutritional science but helping to pioneer it.

A. & R. SCOTT LIMITED

WEST MILLS, COLINTON, MIDLOTHIAN

MISCELLANEOUS OPPORTUNITIES

WOMEN HATE—

Moths, Flies, Ants, and other Insects.
Stock this noted quick-acting Insecticide
Liberal Terms
3d. FLYPAPERS impregnated under pressure: 18/- gross
Special Discounts larger quantities.
1/- POWDER CARTONS (large) (contains 5% D.D.T.) 96/- gross
All enquiries to:
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We can offer you from stock large quantities of bottles and jars to suit
THE CHEMIST AND COSMETIC TRADES
Your enquiries invited which will receive our prompt attention
TEMPLE GLASS CO. LTD.
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OPTICAL TUITION
For the S.M.C., B.O.A., I.C.O., and N.A.O. DIPLOMA Examinations
Particulars:—
C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O., D. Opt. F.C.O., M.P.S.
50 HIGH STREET, BARNET, LONDON, N.

★ *We are now manufacturing round boxes for Scouring Powder, and invite enquiries for large quantities*
EDMUND STEKEL
214 BISHOPSGATE, E.C.2 Bis 5502

GRAHAM POCKET PERFUMES
in display boxes of one dozen assorted
12/- *plus* 15/- *tax* - *Retail* 2/9
CLYDE UTILITIES LTD
73 Dunlop Street, Glasgow

GLYCERYL MONO STEARATE
Manufacturers can supply an edible Glyceryl Mono Stearate of first class quality against supplies of first grade triple pressed Stearic Acid. Own. B.P. Glycerin available. Good delivery.
Box 3/366

SQUARE SEAL PRODUCTS LTD.
Wholesale Chemists' Sundriesmen
Offer All Elastic HAIR NETS at 21/4 gross plus tax. M. and D. Brown also SUNGLASSES at 13/6 Doz.
Enquiries:—
53 WALM LANE, LONDON, N.W.2. Tel.: WIL 2892

CONSULTING SPECIALISTS in
TABLETING & COATING and ALLIED TRADES
offer the services of their qualified and experienced staff for the solution of your problems
Write in confidence to: 44, Woodberry Ave., London, N.21

WE OFFER
CLEARANCE LINES
AT CONSIDERABLY REDUCED PRICES
Retail Chemists ask for our special list
NEWELL TRADING CO. LTD.
16 FITZROY ST., LONDON, W.1

500 gross 2-oz. and 3-oz. cylindrical Pomade Jars
1,000 gross 4-oz. and 8-oz. dark green round bottles with metal caps
500 gross 6-oz. Medical Flats, screw neck
MEDICAL, PERFUMERY AND TOILET BOTTLES AND JARS REGULARLY IN STOCK
B. JAMES, 131 Latimer Rd., London, W.10. Park 607

RUBBER FLOORING FOR HYGIENE
Suitable for SHOPS, OFFICES, LABORATORIES, HOSPITALS, etc. Supplied and Laid. Rubber Mouldings made to Specification.
THE FORGE RUBBER CO. LTD. (Manufacturers)
London Offices: 84, Cornwall Gardens, S.W.7
Western 3670

For . . Apply . **BUSINESS SALES AND PARTNERSHIPS**
COMMERCIAL DEVELOPMENT COMPANY
199 LONDON ROAD · SEVENOAKS · KENT

Printed by THE HAYCOCK PRESS, LTD., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, MORGAN BROTHERS (PUBLISHERS), LIMITED, at 28 Essex Street, Strand, London, W.C.2

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2.

APRIL 17 1948

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. It is therefore advisable to send instructions as early as possible. All advertisements in this section must be prepaid. Box office numbers 2/- extra.

Cheer-i-o

SAFETY RAZOR BLADES

★—★—★

Sole Makers . . .

The Wafer Razor Co. Ltd.

20 Hill Street, Sheffield, 2

PHONE 51824

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947.

SITUATIONS OPEN

/6 for 36 words or less, 3d. for every additional word

RETAIL (HOME)

RETIRED or disabled pharmacist (either sex) re-uired for part time dispensing duties in S.E. Lon-on. Accommodation available if required. Hours nd remuneration by mutual arrangement. Apply ox 3/394.

N UNQUALIFIED ASSISTANT, male or female, ainly for dispensing. Permanency for suitable ap-licant. A. C. Cannon, Pharmacist, Truro, Corn-all.

OOTS, THE CHEMISTS, invite applications from ualified assistants, male and female, particularly ose who have recently completed their course of udy, and from fully trained unqualified assistants nder 35 years of age. Applications, stating age, xperience, district preferred, etc., to Retail Staff epartment, Station Street, Nottingham.

BRANCH MANAGER wanted for drug store at Muswell Hill. Write stating particulars of experience, etc., to M. Sheldon, 36 Market Row, Brixton, S.W.9.

BRISTOL. Qualified assistant wanted (either sex). Chiefly for dispensing. Please apply with usual particulars to Strode Cosh & Penfold, Ltd., 69 Easton Rd. Bristol, 5.

CHEMIST or chemist - optician required as manager of branch shop with substantial turnover. 44-hour week and no extra duties. Flat available if required. This is a permanent and progressive post with a good salary and superannuation scheme. Apply to Peterborough Co-operative Chemists, Ltd., Park Rd., Peterborough.

CHEMIST'S ASSISTANTS (ladies), with knowledge of prescription reading, wanted for clerical work in the N.H.I. checking bureau. Apply National Pharmaceutical Union, 4-5 Queen Sq., W.C.1.

DISPENSER (female) required for the Northampton County Mental Hospital at Berrywood, Nr. Northampton (1,100 beds). Salary and conditions of service in accordance with recommendation of Joint Negotiating Committee (Hospital Staff). Applications, stating age, experience and qualifications to be sent to the Medical Superintendent.

DISPENSER, qualified, required immediately for doctors' practice in East Anglia. Permanency, but locum considered. Box 3/258.

GUERNSEY, CHANNEL ISLANDS. Qualified assistant required. Opportunity later to manage branch. Write C. Stonelake & Co., 5 Smith St., Guernsey, C.I.

HALIFAX CO-OPERATIVE CHEMISTS, LTD., require a pharmacist to serve as manager of a modern branch shop. Permanent progressive position, good holidays, superannuation scheme. Applications, giving all particulars, should be addressed to: The Secretary, Halifax Co-operative Chemists, Ltd., 7 North Parade, Halifax.

HOLBORN. Congenial post of unqualified lady assistant in busy City pharmacy. Apply, Mr. J. Milner, c/o Cross, Chemists, 240 High Holborn, W.C.1. Phone Holborn 7379.

HUDDERSFIELD. Qualified locum required any week in June. Details to J. B. Wood (Chemists), Ltd., Lockwood, Huddersfield. Good digs arranged.

LADY PHARMACIST required with good counter experience for a congenial position in the West End. No Sundays or Bank Holidays. Saturday half-day. Apply Mr. Summers, Heppells (1932), Ltd., 1 Marble Arch, London, W.1.

LEAMINGTON SPA. Dispensing assistant required. Permanent situation with good salary and conditions. Accommodation available if required. Apply with full particulars to T. Henshall, M.P.S., 39 Warwick St., Leamington Spa.

LEEDS INDUSTRIAL CO-OPERATIVE SOCIETY, LTD., require the services of a qualified pharmacist to manage branch pharmacy. Minimum salary £475 p.a., plus bonus for turnover and experience. Applications, in writing, stating age and fullest particulars of experience, to be addressed to the Superintendent Chemist, 6 Albion St., Leeds, 1.

LIVERPOOL. Qualified manager or manageress required for new branch opening shortly in prominent position on suburban estate. Excellent prospects and success certain for pharmacist with ideas. Everything new from scratch. Good salary and share profits. Box 3/426.

LONDON, W.11. Manager (qualified) urgently required for working-class business; busy N.H.I. and brisk counter. Suitable man will be paid well and well looked after. Good living accommodation available, if necessary. Write Box 3/343.

LONDON, N. A well-paid, permanent and progressive position in good-class pharmacy is open to a keen and capable male assistant with dispensing experience. Please apply to Cross of Enfield, Ltd., 476 Hertford Rd., Enfield. Phone Howard 2088.

LONDON, S.W.12. Progressive post offered to experienced pharmacist, either sex, in busy retail and dispensing business. Apply with full particulars, stating salary expected, to W. J. Boyes, 61 Balham Hill, S.W.12.

ORRIDGE & COMPANY Employment Agency, 184 Strand, W.C.2, Temple Bar 9212/3. Branches at Southampton and Birmingham. Inquiries invited from pharmacists and unqualified persons requiring situations. Many attractive vacancies available. Excellent opportunities existing in progressive permanencies. Locums provided for. No charge for employees except registration fee. Apply to 184 Strand, W.C.2 in first instance.

PHARMACIST with optical qualifications required for busy market town pharmacy. Excellent prospects and permanency. House available. State age and salary required. Brownlow, Chemist, Melton Mowbray.

POPLAR. Manager (qualified) required for busy pharmacy in Poplar. Good salary offered to energetic man with experience. Permanency with good prospects. Good living accommodation available. Write Box 3/342.

QUALIFIED. Reasonable hours. Small flat. Near London. State salary required. Box 3/403.

ROCHDALE EQUITABLE PIONEERS' SOCIETY, LTD. Applications are invited for the position of pharmacy branch manager with the above society. 44-hour week and superannuation scheme in operation. Applications, with all usual particulars, should be addressed to The General Manager, Rochdale Equitable Pioneers' Society, Ltd., Toad Lane, Rochdale.

SHEFFIELD & Eccleshall Co-operative Society invites applications from pharmacists for position of branch manager of established business, capable of considerable expansion; in pleasant, suburban residential district. Write, stating age, experience, salary required, to Superintendent Chemist, The Arcade, Eccleshall Rd., Sheffield, 11.

SOUTH KENSINGTON. Lady assistant required for counter, toilets and stockkeeping. Hours 9 to 6. No Sunday duty. Apply, B. R. W., c/o Strickland & Co., 41 Thurloe St., South Kensington, S.W.7. Ken. 4186.

SURREY. Pharmacist manager required very shortly for a high-class family pharmacy in pleasant suburban district. Business builder with experience required. Write Box 3/345.

TEWKESBURY. Qualified or unqualified assistant (male or female) required for country town; good class business. Reasonable hours. No Sunday or half-day duty. Full details. F. E. Bannister & Sons, 124 High St., Tewkesbury.

TIMOTHY WHITES & TAYLORS, LTD., have vacancies in their household stores for managers and senior assistants to train for management of new branches. Experience of hardware trade is necessary. Progressive positions; good remuneration; staff pension scheme. Write, stating age, experience and salary required, to General Manager, Household Stores Section, 70 Vauxhall Bridge Rd., London S.W.1.

UNQUALIFIED male assistant required, aged 30-35. West End experience preferred. Apply Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Rd., London, S.W.1. Telephone Vic 2204.

UNQUALIFIED lady assistant required for high-class pharmacy near Croydon. Duties mainly counter; dispensing experience not necessary. Apply, with usual particulars, to Sparrow, Chemist, Purley. Uplands 1370.

VACANCY for unqualified male assistant with counter experience. Apply J. T. Davies (Chemists), Ltd., 13-14 Walter Rd., Swansea.

WANTED. Qualified chemist as branch manager, South-west country pharmacy. Permanency. Box 3/407.

WEST END, LONDON. Qualified assistant, lady or gentleman, required for West End type of business. Duties principally dispensing, and to assist at counter. Good salary. Write Box 3/344.

LOCUMS WANTED

LOCUM REQUIRED, Newcastle district, June 26 to July 24; and Hull district, June 10 to June 24 and July 18 to July 31. Box 3/402.

WHOLESALE

A PERSONAL ASSISTANT to managing director required by a prominent London firm. Applicant must possess pharmaceutical degree and good experience in sales, publicity, production, etc. The post offers unusual scope and a high salary will be paid to applicant with the necessary all-round qualifications Apply Box 3/424.

A WELL-KNOWN medical and pharmaceutical manufacturing house has one or two interesting and progressive openings for suitable men, as full-time representatives. The company's world-wide business is operated through its own branches and agents overseas, and for successful candidates there are opportunities of responsible overseas positions after gaining experience in this country. Applications will be carefully considered from fit, enterprising candidates not over 30, and single, with good educational background. Please give full details and state present and past earnings. Box 3/435.

AN UNUSUALLY good opportunity occurs for a really first-class salesman used to calling upon wholesale chemists and sundriesmen to join established and progressive company with national distribution. Must be prepared to travel. Car an advantage. Age limit 30 to 45. Good salary, commission, car allowance and all expenses. Excellent prospects. Our own staff have been advised. No testimonials, photos or stamped addressed envelopes. Reply in confidence, giving full details of career and remuneration earned, to Box 3/349.

APPLICATIONS invited by old-established company of manufacturing chemists for sales representative in London and the Home Counties. Sound connection passed to successful applicant, who must possess knowledge of the territory. Car owner preferred. Remuneration: Salary, expenses and commission. Write stating past or present employment, age and experience. Box 3/386.

ASSISTANT ANALYTICAL CHEMIST required in laboratory of firm of manufacturing chemists in S.W. London (Surrey). Salary £400 p.a. Write Box 3/374.

BUYER required for old-established London chemical house, used to organic and inorganic chemicals, apply Box 3/381.

CHEMIST for dangerous drug and poison department. Previous experience preferred, but recently qualified person would be considered. Full particulars to Gale, Baiss & Co., Ltd., 274/6 Ilderton Rd., London, S.E.15.

CIBA LABORATORIES, LTD., Horsham, Sussex, require two young qualified pharmacists for junior administrative positions with opportunities for advancement in Sales Promotion Department, to commence early in May. Apply to Sales Manager, giving age, qualifications, experience, and salary required.

CHIEF WORKS CHEMIST with experience of manufacture of synthetic organic compounds required. Apply Managing Director, Evans Medical Supplies, Ltd., Speke, Liverpool, 19.

EUCRYL LTD. require a full-time representative (with car) to cover retail houses in Lancashire, Cheshire, North Wales. Write, Sales Manager, 7 & 9 Oakley Rd., Shirley, Southampton.

EXCELLENT SCOPE for a first-class representative offered by old-fashioned London manufacturers of consistently advertised perfumery and toilet preparations. The territory comprises London W., S.W., S.E., Kent, Surrey and Sussex. Applicants should have experience of the trade and be car owners. Liberal salary, expenses and car allowance. Write fully in first instance to Box 3/307.

J. C. ENO, LTD., Watford, require representative to call on chemists in the East Lancashire area. Write, giving details of previous experience and salary required.

MANUFACTURERS of famous nationally advertised proprietaries require representatives already calling on chemists etc. for most parts of the United Kingdom. Must be proven salesmen and conscientious workers. Commission only. Full particulars to Box 3/416.

OLD-ESTABLISHED manufacturing chemists require representatives with close contact ironmongers, seedsmen, chemists and alied trades for the area of Norfolk, Suffolk, Essex, Cambridge, Beds, Bucks, Herts, Kent, Sussex. Existing connection. Liberal commission terms. Apply Box 3/432.

PRICING AND COST CLERK required by manufacturing chemists in Manchester area. Unqualified assistant with wholesale experience, age 25-35. Apply, stating salary required and quoting references, to Box 3/433.

PROMINENT COMPANY has vacancies for representatives resident in the following counties: Kent, Surrey and S.E. London. Applicants should have good experience of retail pharmacy. Give fullest particulars in confidence. Box 3/438.

PROVINCIAL AGENTS required by established manufacturers of toilet preparations. Commission basis. Territories reserved. Box 3/419.

REPRESENTATIVE required for progressive sundry house, for Kent, part of Surrey and S.E. London, preferably with small connection, and able to enlarge present established connection. Must reside in Kent. Salary, commission and expenses. Full details in first instance, to Sales, Box 3/429.

REPRESENTATIVES required for widely advertised line. London area. High commission and full expenses. Box 3/437.

REPRESENTATIVES required for Scotland, Eire, Yorkshire, North Wales, Shropshire, Staffordshire, Hertfordshire, and Southern England for advertised line. High commission. Box 3/436.

REPRESENTATIVE required for a firm of manufacturing chemists in the north, calling on retail chemists. Must have sound connections. Car owner preferred but not essential. Salary, expenses and commission. Write Box 3/375.

REPRESENTATIVE, must be qualified, required by Hirst Brooke & Hirst, Ltd., to take over and develop a soundly-established connection with retail chemists in an area centred around Manchester. Previous experience is an advantage but not essential. Reply in strict confidence to Managing Director, Sheepscar Works, Leeds, 7.

REPRESENTATIVES required in certain parts of the country for the sale of Beaucaire. Beaucaire Laboratories, 27 Vauxhall Grove, S.W.8.

REPRESENTATIVES required throughout Great Britain calling chemists, large stores, etc., to introduce new electro-medical appliance, on commission. Box 3/387.

REPRESENTATIVES required by old-established London house for (A) Midland Territory, (B) West of England and S. Coast. Applicants should have live connection with retail chemists and preferably some previous retail experience, not necessarily qualified. Please state age, experience and remuneration required to Box 3/346.

REPRESENTATIVE required by established toilet preparation manufacturers to cover London district. Experience and sales contacts with retail hairdressers, chemists and stores essential. Salary and commission. Box 3/418.

REPRESENTATIVES or agents required for all areas, connection with retail and wholesale chemists, hairdressers, Co-ops., stores, etc., necessary. Good commission or salary and commission for full representation. Apply to Box 3/421 with full details of experience, area covered and other lines carried.

REPRESENTATIVES required for (a) Lancashire, Westmorland and Cumberland, and (b) Yorkshire, Durham and Northumberland, for nationally advertised patents and toilet preparations. Full-time men only, having established connections with chemists and stores. Salary, commission and usual expenses. Send full particulars to Box 3/368.

REPRESENTATIVES required by ethical pharmaceutical house for two areas (1) Lancs, Cheshire, Staffs, Salop; (2) West and East Riding, Lincs, Derby, Notts, Leicester. Must have existing connection with chemists and previous ethical experience. Salary, expenses and commisison or substantial commission only, if precedence given. Unlimited prospects for A.1 men. First-class references required. Reply in detail, giving age, experience, etc., in confidence, to Box 3/321.

REPRESENTATIVES required for (a) Greater London, (b) Nottinghamshire, Derbyshire, Lincolnshire and Leicestershire, by leading manufacturers marketing nationally advertised lines distributed by chemists. Car supplied. Good salary and full expenses. Superannuation scheme. Essential qualifications: Age under 40; able to reside on territory; experience in selling to chemists; able to conduct medical propaganda; pharmaceutical background an advantage. Write, giving full details, to Box 3/367.

REQUIRED by old-established manufacturing chemists in E. Yorks, assistant and understudy to commercial manager. Some experience of correspondence, costing, and interviewing in similar business desirable. Permanent position if suitable. Age about 30. Apply, giving age, references and suggested salary. Box 3/441.

REQUIRED in S.W. London, an assistant to take charge and develop a small packed chemicals department; good prospects for right person. State experience, wages required. Apply Box 3/369.

RODMILL CHEMICAL CO., LTD., Liverpool, 3, require experienced representatives calling on wholesale and retail chemists in areas (a) Lancashire; (b) Yorkshire. Salary, commission and expenses. Please state if car owner.

SALES MANAGER requires qualified (M.P.S.) assistant for marketing pharmaceutical products, home and export. Good knowledge office organisation essential. Write in confidence Box 214, Curzon International, Ltd., 11 Duke of York St., S.W.1.

TRAVELLERS with established connection amongst good-class chemists in Scotland, Wales, East Anglia, South London, Lancashire and Cheshire, and the four Northern Counties, wanted to sell advertised C.F. lines on generous commission basis. Box 3/383.

WANTED, female staff for London Surgical House in E.C.1: shorthand typist, copy typist, clerk telephonist, surgical fitter and saleswoman. Apply in first instance, in writing, to Holborn Surgical Instrument Co., Ltd., 15 Charterhouse St., London, E.C.1.

WELL-KNOWN pharmaceutical house has vacancies for the following representatives: Medical representative for Scotland, preferably residing Aberdeen or Dundee; two representatives to call on clinics, schools, industrial concerns, etc., for Lancashire and Cheshire area, and Midlands area, respectively. Applicants should possess a medical or pharmaceutical background combined with sales ability. The appointments are permanent, progressive and superannuated. Application, supplying full details, to Box No. 2942, T. G. Scott & Son, Ltd., 9 Arundel St., Strand, W.C.2.

VETERINARY REPRESENTATIVE. The Crookes Laboratories, Ltd., require a representative, age 30-40, for contacting the veterinary profession. Pharmaceutical qualification desired but not essential. Applicant must have had previous experience. The post offered is progressive and has excellent prospects for a keen and energetic man. An attractive salary is offered to suitable applicant, together with participation in superannuation scheme. Applications, giving age and full details of experience, should be addressed to The Crookes Laboratories, Ltd., Veterinary Department, Park Royal, London, N.W.10.

WHOLESALE CHEMISTS and sundry house require an additional representative London and N.W. Home Counties. Own car preferred and with established connections amongst chemists, stores and Co-ops. Commission basis. Box 3/404.

YOUNG PHARMACIST is required in the advertising department of Parke, Davis & Co. The job is an interesting one in which a close touch with modern medical advances is maintained and a thorough knowledge of medical and pharmaceutical propaganda can be acquired. No previous experience needed. Apply with full particulars, to Advertising Manager, Parke, Davis & Co., Staines Rd., Hounslow, Middx.

WHOLESALE (OVERSEAS)

ASSISTANT WORKS CHEMIST for pharmaceutical manufacturing company in Bombay. Pharmacist or B.Sc. with manufacturing experience. 3-year agreement, 1st class passage. Liberal terms. Provident Fund. Age between 24-30 years. Excellent prospects to man with initiative and energy. Managing Director now in London. Applications with full particulars to Box 3/401.

REQUIRED for Uganda, British East Africa, qualified chemist. Salary 1,000 East African shillings, approx. £50 Sterling per month, with house provided. 3 years' agreement; 15 days' local leave per year. On expiry of contract, 6 months' overseas leave with full pay and second-class passage. Write in first instance giving age, details of qualification, etc., to Box 3/440.

SITUATIONS WANTED

3/- for 18 words or less, 1d. for every additional word

RETAIL (HOME)

APPOINTMENT. Retail or wholesale permanency required by qualified chemist-optician, age 41. Multiple experience for 16 years. Recently sold business with £10,000 turnover. Residing Glasgow but will be available where accommodation is provided. Remuneration and particulars to Box 3/393.

LADY DISPENSER-SECRETARY, Hall qualifications, fully experienced, desires part- or full-time post. N.W. London preferred. Box 3/390.

PHARMACIST (married), at present superintendent, desires change. 24 years qualified. Midlands, Liverpool, Manchester or Leeds. Wednesday half-day. Fullest particulars, turnover, staff, responsibilities, hours, accommodation. Salary £600. Box 3/427.

QUALIFIED LADY, M.P.S., seeks light job not requiring long hours nor heavy lifting. If possible secretarial work preferred. Box 3/370.

STOCKTAKING, quiet and efficient workmanship, over 30 years' practical experience. Personal supervision. C. W. Playfoot, 8 Aylward Rd., Merton Park, S.W.20. Tel. Liberty 4104.

UNQUALIFIED, very active, with wide all-round experience, requires temporary post or permanency if house or accommodation available. Recently disposed own business and could introduce capital if desirable. Age 53. "Service," Box 3/428.

WHOLESALE

A SALES MANAGER well known to the "big buyers," and with 25 years' experience in marketing branded pharmaceutical and toilet preparations in home and export markets, seeks appointment. Box 3/392.

A SMART, keen representative with good connection chemists, stores and Co-ops, in Midlands, w/s and retail, desires change to firm of repute. Salary, expenses and commission. Box 3/425.

CHEMIST, M.P.S., 38, seeks post as representative. London or Home Counties preferred. Denny, Salisbury Hotel, Hatfield, Herts.

COSMETIC CHEMIST with unusually wide range of experience of cosmetics, perfumery, synthetic soap tablets, etc., seeks position where his qualifications can be used to maximum mutual benefit. Box 3/395.

EGYPT. Young Egyptian, 24 years old, B.Sc. (Cambridge and Cairo Universities), with first-class experience of manufacturing side and good knowledge of Egyptian market conditions, seeks position with reputable firm established in Egypt either in laboratory or as representatve. First-class references required and exchanged. Correspondence to Box 3/396.

EX R.A.M.C. OFFICER, 25 years' service (40 years of age), requires responsible situation. Box 3/371.

EXPERIENCED SALES REPRESENTATIVE, 20 years personally connected London and Home Counties wholesale, retail chemists' trade, seeks full-time representation with firm of repute on salary, commission and expenses basis. Box 3/417.

FIRST-CLASS REPRESENTATIVE, excellent connection, calling chemists, w/s and retail, departmental stores, etc., in West of England and South Wales, desires change with firm of repute. Own car. Salary, commission, expenses. Box 3/338.

LADY, S.R.N., requires representation with firm of repute. Calling wholesale, retail chemists, Co-ops. No East Counties, Westmorland, Cumberland. Car available. Salary, etc., or comm. basis considered. Box 3/406.

REPRESENTATIVE, own car, having excellent connection chemists, stores, hairdressers and Co-ops. in Lincs, Notts, Derbys, Leicester, Northants and Staffs, seeks position with a high-class firm. Box 3/328.

REPRESENTATIVE, age 38, seeks appointment with company of repute; experienced professional and trade detailing. Resident Sussex. Box 3/405.

REPRESENTATIVE, Glasgow, West Scotland, with large connection chemists, Co-ops., stores, seeks a few lines on commission basis. Box 3/380.

WELL-KNOWN essence chemist, 20 years' experience with leading houses, desires change of position. Complete range of formulas for all trades available. Honours B.Sc. and experienced analyst. Sound business acumen. State salary offered and full details in strict confidence, to Box 3/442.

APPOINTMENTS

COUNTY BOROUGH OF WEST HAM

WHIPPS CROSS HOSPITAL, LEYTONSTONE, LONDON, E.11.

Applications are invited from Registered Pharmacists for Assistant Pharmacist.

Salary and service conditions in accordance with Recommendations of Joint Negotiating Committee (Hospital Staffs) and Council's regulations. Meals at hospital to be paid for.

Applications in writing, stating age, qualifications and experience, together with copies of two recent testimonials, to be sent to Medical Officer of Health, 225 Romford Road, West Ham, London, E.7, not later than April 24, 1948.

GOVERNMENT OF SOUTHERN RHODESIA
PUBLIC HEALTH DEPARTMENT

VACANCY: CHEMIST & DRUGGIST

Applications are invited from male qualified chemists and druggists for appointment to the Public Health Department. The Salary Scale is £440 x £55 to £495 x £27 10s. to £660 x £77 to £737 x £33 to £935 per annum with efficiency barriers at the £550 and £660 per annum steps. Chemists and druggists may be employed in the medical store or they may be employed as hospital secretaries performing secretarial and dispensing duties at Government hospitals.

At present the following allowances are payable: Approximately 17 per cent. of basic salary for cost of living, £50 marriage on salaries £330 to £660, children's £30 for first child, £24 any other. Steps up on the scale to a maximum of four, may be granted for approved previous experience.

The successful applicant will be required to register as a Chemist and Druggist with the Medical Council in Southern Rhodesia.

Application forms and further information may be obtained from the High Commissioner for Southern Rhodesia, Rhodesia House, 429 Strand, London, W.C.2, and must be returned, completed, on or before May 24, 1948.

Canvassing will disqualify applicants.

MIDDLESEX COUNTY COUNCIL

WEST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH, MIDDX.

(a) ASSISTANT PHARMACIST, J.N.C. (Hosp. Staffs) scale, £370 p.a.-£450 inclusive. Similar experience may determine commencing salary. Must hold one of Pharmaceutical Society's qualifications. Whole-time duties under Medical Director and Chief Pharmacist. Established, subject to medical exam.

(b) LOCUM PHARMACIST required, immediately, for an indefinite period. Salary 8-10 guineas inclusive, according to experience. Applications to Medical Director of Hospital, stating age, qualifications, experience, with up to three recent testimonials (quoting D.570 CD).

C. W. RADCLIFFE,
Clerk of the County Council.

Middlesex Guildhall,
S.W.1.

MIDDLESEX COUNTY COUNCIL

LOCUM ASSISTANT PHARMACIST required by MIDDLESEX COUNTY COUNCIL at NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18. Salary 8-10 gns. per week. incl., according to experience. Applications IMMEDIATELY to MEDICAL DIRECTOR of Hospital (quoting D.886CD).

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST for NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18. J.N.C. (Hospital Staffs) Scale. £370 to £450 inc. Similar experience may determine commencing salary. Whole time, established, pensionable, subject to medical examination. Applications, stating age, qualifications, experience, with copies of up to three recent testimonials, to MEDICAL DIRECTOR of Hospital immediately (quoting D.591). No forms.

C. W. RADCLIFFE,
Clerk of the County Council.

QUEEN MARY'S HOSPITAL FOR THE EAST END
Stratford, E.15

ASSISTANT PHARMACIST

Applications are invited from registered pharmacists for this appointment. Salary scale, £370 per annum with annual increases of £15 up to £450 per annum. Commencing salary within Scale according to qualifications and experience. Federated Superannuation Scheme in force.

Applications giving full particulars of age, qualifications and experience, and copies of recent testimonials, should be sent as soon as possible to the undersigned.

M. J. HUNTLEY,
House Governor and Secretary.

REDHILL COUNTY HOSPITAL,
EDGWARE, MIDDLESEX.

REGISTERED ASSISTANT PHARMACIST required. J.N.C. (Hosp. Staffs) salary £370-£450 p.a. inclusive. Similar experience may determine commencing salary. Whole-time, established, pensionable, subject to medical examination. Application, stating age, qualifications, experience, with copies of up to three recent testimonials. to Medical Director of Hospital immediately (quoting D.815 CD). No forms.

SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at: ST. HELIER COUNTY HOSPITAL, Carshalton.

Commencing salary on grade £370 x £15—£430 x £20—£450 p.a. inclusive.

Applications in writing, stating age, qualifications and experience with copies of not more than three recent testimonials, should be sent to the Medical Superintendent of the Hospital.

SURREY COUNTY COUNCIL

ST. LUKE'S HOSPITAL, GUILDFORD.

PHARMACEUTICAL PUPIL (male or female) required. Preference will be given to candidates who have passed the final examination for a University Degree in Pharmacy or the Pharmaceutical Chemist Qualifying Examination. Salary will be £200 per annum inclusive for candidates who have passed one or other of these examinations, and in the case of other candidates will vary according to age and experience of pharmaceutical work possessed by them. Further particulars may be obtained from the Medical Superintendent at the Hospital, to whom applications by letter, stating age, qualifications and experience, together with copies of three testimonials, if possible, should be sent.

AGENCIES

17/6 for 36 words or less, 4d. for every additional word

ATTRACTIVE LINE for well-connected agents or travellers calling on chemists, hairdressers, stores. Nationally used and known for 15 years. Immediate delivery and commission paid monthly. Box I/RSD. CPW 185 Fleet St., E.C.4.

AGENTS REQUIRED for Amblins medical products and Santa Barbara beauty preparations for wholesale and retail. Apply 338 Kilburn High Rd., London, N.W.6.

AGENTS with good introductions to wholesale and retail chemists required for old-established line. London and Provinces. Good commission. Box 3/384.

AGENTS wanted all over the country calling on wholesale chemists, Co-ops., grocers and sundriesmen to carry additional nationally advertised lines. Commission basis. Write, giving area covered, and rough details of present lines carried, to Box 3/280.

DISTRIBUTION AGENTS for well-established branded chemists' sundries lines required for the retail trade in U.K. and Eire. Kindly give full details of the area covered and the services available, including number of salesmen, etc. Box 3/376.

EIRE. Buying agents required for antiseptic synthetic soft soap, packed in 1-lb., 2-lb. and bulk containers. This product lathers excellently and supplements household soap for all purposes as it contains no clay. Details of organisation, ground covered, storage and distribution facilities to Misani, Box 1208, 49 Chancery Ln., W.C.2.

MANUFACTURERS of a well-known sundry line wish to expand the business to the Western, Northern and Scottish territories, retail and wholesale chemists. Men required are those who already represent a reputable house in the territory concerned. Commission basis. Box 3/430.

OLD-ESTABLISHED London drug house has agency or part-time representation to offer in South Wales. Gentlemen with good connection and carrying non-clashing lines invited to reply to Box 3/323.

REPRESENTATIVES calling on chemists, Co-ops., stores, etc., wanted to carry additional quick-selling and repeating line on commission basis. Box 3/388.

BUSINESS OPPORTUNITIES

17/6 for 36 words or less, 4d. for every additional word

FOR A FEW SHILLINGS weekly we will do all your book-keeping, income tax returns/negotiations and accounts, etc. Write for booklet explaining our unique service for the small business. Executives (London), Ltd., Dept. 26, 213 City Rd., London, E.C.1.

INSECTICIDES. Complete range of liquid and powder insecticides with sprays and fly papers. Manufacturers wish to dispose of trade names. Goodwill, blocks, printed and advertising matter, at a very reasonable price. Well-introduced line. Containers and raw material available. Box 3/410.

MANUFACTURING CHEMISTS now specialising in fewer products have well-known washing powder for disposal. Trade names, blocks, formulæ and cartons. Reasonable price for quick sale. Box 3/411.

MANUFACTURING CHEMISTS (London area) are in a position to fill large and small bottles and jars. Stocks of glassware are available. Contracts invited. Box 3/415.

MANUFACTURING CHEMISTS have facilities and space available for the manufacture, packing and bottling of domestic, toilet and industrial products. Frank Macowal, Ltd., 30 Loughborough St., S.E.11. Tel. Reliance 3435

TABLETS. A well-known food manufacturing company have available tableting capacity. Large quantities can be handled quickly and efficiently under hygienic conditions. Complete packaging can be arranged if required. Inquiries to Box W.731, Haddons', Salisbury Sq., London, E.C.4.

TOOTHPASTE, COSMETICS, toilet preparations, patent medicines. Sole selling rights sought by City import-export merchants for the British West Indies. Replies to Box 3/250.

WEST LONDON FACTORY, 4,000 square feet, has capacity and capital to manufacture any articles for which materials are available, preferably for chemical or similar products, non-inflammable only. Write Box Q/6625, A.K. Advg., 212A Shaftesbury Av., W.C.2.

BUSINESSES FOR DISPOSAL

8/6 for 36 words or less, 3d. for every additional word

BIRMINGHAM. Family business on busy main road. Turnover £3,000/£3,500 per annum. Living accommodation, including four good rooms and kitchen, in good state of repair and decoration. Inclusive price £1,400, subject stock valuation (approximately £750). Stock adjustment considered. Immediate sale necessary. Owner taking over another business South of England. Box 3/414.

DEVON. Manufacturing chemists; distributors (import, export) of chemical, pharmaceutical, household products, etc. Turnover £1,300 p.w. 4-storied mills premises (5,000 sq. ft.) in market town. Leased. Goodwill, plant, stock, £1,500. See below. LONDON. Chemical products distributing. Sole agent in London area for manufacture of several unrationed chemical lines. Net profit £400 last 6 months (ample scope to increase). Goodwill £250. See below. Nr. NEWPORT. Wholesale haberdashery, chemists' sundries, household fancy goods. Cert. net profit £2,200 p.a. Nissen-type warehouse, equipped office. Goodwill, fittings, £7,000 Stock £2,000 app. Modern freehold residence, 2 rec., 3 beds., kit., bathroom, garage, at £1,500. See below. National Business Agency, Ltd., will be pleased to supply details of the foregoing and many other propositions. Apply "Sales Dept.", 39 King William St., London, E.C.4. Mansion House 2748.

HERBALIST and Drug Store in busy S. Lancs town. Excellent profit in own compounds; good scope for increase. Owner retiring. Living accommodation. Electricity, gas and telephone. Price, including property, £3,300, all at. No agents. Box 3/391.

MANUFACTURING CHEMIST and cosmetic business offers for sale with management half-share. Drawings about £1,000 salary. Capital required about £10,000 (stock and plant about £15,000). Principal desires to retire. Accounts with best wholesale and retail in country. Box 3/431.

MISCELLANEOUS SALES

17/6 for 36 words or less, 4d. for every additional word

CELLULOSE ADHESIVE TAPE, surplus, good condition, 72-yard rolls, tax free. Colourless 1 in. and ½ in., opaque colours ½ in. Maker's prices less 25 per cent., pro forma. Box 3/409.

FINEST QUALITY terpeneless lemon oil for sale. Apply Box 3/324.

FOR SALE. Bullion scales, by Avery, to weigh 3 cwt. Offers and inquiries to Box 3/400.

FOR SALE. 1 ton calcium carbonate, B.P. light, and 2½ ton aluminium stearate. Inquiries invited. Box 3/373.

FOR SALE. Surplus 4-oz. white opal jars with bakelite screw caps, fitted liners; also 1-oz. clear vials with bakelite screw caps, 1 and 2-oz. amber jars, 1-oz. hood bottles with bakelite screw caps, 3½-oz. clear sprinkler bottles, ½-oz. clear bottles. Box 3/413.

FOR SALE. Calcium hypophosphite, B.P. quality, up to 15 cwt. in 2½ cwt. kegs. Also surplus ampoule boxes and Ucon containers. Inquiries or offers to Box 3/439.

OR SALE: Offers, 1 x 2C folding Brownie, 1x olding Carbine, 3½ x 2½, Beck lens, f.8, 1 nsignette developing tank, model B, 1 practice ye, lens measure, measurement rule, May ophthalioscope, Morton ophthalmoscope, mahogany test ase (complete), Haabs' atlas, 6 vols. Modern Chehistry (Hale), 1 vol. Modern Industrial Chemisry (Blackie), 6 vols. British Isles; 33 R.S., 18 in.-6 in., 6 couble, 13 in.-38 in., 16 L.S., 12 in.-8 in. trusses, soiled. Box 3/398.

LYCERYL-MONO-STEARATE. Prompt supplies vailable. Box 3/408.

AND TABLET MACHINE fitted with V pulley for notor drive. Max. size of tablet 7/16 in. 90 per nin. Reconditioned. £35. W. J. Neve, Whitecliff, utherland Av., Biggin Hill, Kent. Telephone Bigin Hill 382.

ARGE QUANTITY of pure vacuum dried salt and nstoved salt for sale, cheap. Good condition in ew bags. Also 17 cwt. sodium metasilicate. Box /412.

ACK YOUR OWN COUNTER LINES! Manufacurer's stock of printed cartons (some flat) at half re-war prices. Write for samples. Box 3/379.

URPLUS Cartons for sale, various sizes. 'Phone anonbury 3566, 21 St. Peter St., London, N.1.

UANTITIES OF methyl salicylate and terpineol, erfumery quality, surplus to requirements. Deils from Box 208, c/o George Murray (Adversing), Ltd., 184 Strand, London, W.C.2.

URPLUS: Aspirin B.P., Gran. Coumarin, Glyeryl Monostearate, Lactose B.P., Petroleum Jelly .P., Stearic Acid t/p. Vanillin crystals, 100 per ent. Triethanolamine, Lanoline Anhydrous B.P., vailable. Offers invited. Box 3/389.

ABLETING PLANT. Complete installation capable million tablets daily including granulator and test counting and packing machine; perfect contion. Details from Box A422, Erwoods, Ltd., 211 iccadilly, London, W.1.

IALS. 103 gross 2-dram plain. Sample and price om Box 3/434.

'E CAN SUPPLY absorbent wool of Dutch manucture, packed in one pound rolls. Available in ne cwt lots only, at 2s. 7½d. per lb. for hospital nd 3s. 2¾d. per lb. for best. Both prices subject plus 10% duty charges. Edwards Surgical Supies, 66 Mortimer St., London, W.1.

WANTED

6 for 36 words or less, 3d. for every additional word

NINETEENTH CENTURY ADVERTISEMENTS AND RECORDS

Messrs. J. & E. Atkinson, Ltd., of 24 Old Bond St., W.1, would be grateful to hear from anyone who has old magazines or newspapers dated before 1900 containing advertisements for, or any reference to, their products. Advertisements before 1832 would have address 44 Gerrard Street. Any specimens of products themselves, or their containers, are also of interest.

OTTLES. 26-oz. and 13-oz. wine or champagne ottles required. Box 1/853.

AUSTIC SODA, solid or liquid, urgently reuired, any quantity. Particulars Box 3/397.

HEMICAL BALANCE. Good secondhand condion, urgently required. Box 3/444.

LYCERINE. High price paid for small or large uantities. Supplies urgently required. Particulars, ox 3/322.

GLYCERINE, chemically pure, required in any quantity. Cash by return. Box 441, c/o Arthur J. Owen, Ltd., 133-136 High Holborn, W.C.1.

GLYCERINE, industrial pale straw or B.P., urgently required. State price and quantity (1 cwt. minimum). George Rice, Ltd., Hudson Bay Works, Warton Rd., Stratford, E.15. Telephone: Maryland 1222.

FILMS WANTED, 120 and 620. Spot cash and top prices paid. Any quantity. Urgent. Box 3/372.

LACTOSE B.P. Quantity wanted; large quantities urgent; also white petroleum jelly B.P., glyceryl monostearate, vanillin, phenacetin and glycerine; also interested in Government surplus stocks of bandages, etc. Box 3/253.

QUOTATIONS required for teaseed oil and olive oil in original drums. Sidney Parks (London), Ltd., 9 Gt. Pulteney St., London, W.1.

REQUIRED IMMEDIATELY. 5 to 10 gross 40-oz. white flint bottles. Box 3/385.

STEARIC ACID, triple pressed, required in large quantities. Box 147/850.

STEARIC ACID (triple pressed) wanted in large or small quantities. B.P. glycerine available if required as part payment. Box 3/189.

WANTED. Phenacetin, glycerine, required by manufacturing chemists. Offers to Box 2/307.

WANTED for invalid chemist, small Adana printing press, with type. Also supplies of suitable material for soft toy making, e.g., fur fabric material, baize, curly, silky pile, etc. Price small lots. Box 3/399.

WANTED URGENTLY. Stearic acid, Phenacetin, Glycerine, Aspirin, Soda Crystals, G.M.S. White Pet. Jelly, Lactose, B.P. Offers to Box 3/422.

WEIGHING MACHINES, 1d. slot, wanted. Any make or condition: Avery, Salters, Autoways, etc. Send full particulars and price to Bolland, 41 Fellbrigg Rd., E. Dulwich, London, S.E.22.

FOR SALE

8/6 for 36 words or less, 3d. for every additional word

ABOUT 50 GROSS clear 1-oz. squat jars, complete with black metal caps, to sell. Highest bid will secure. Write Box 207, c/o George Murray (Advertising), Ltd., 184 Strand, London, W.C.2.

COTTON WOOL, English, no duty. 4-oz., 8-oz., or 16 oz. sizes. Hospital or B.P.C., from 56 lb. upwards, any size. Limited quantities, normal price. Poldens, Thermometers, Instruments, Sundries, 10 Burney Ave., Surbiton.

FOR SALE: Two drums 40-45 gallons amber mineral oil. First reasonable offer accepted. Box 3/382.

STRONG WOODEN CASES for sale. 100 size 27½ in. x 13 in. x 14 in. 120 size 16½ in. x 13½ in. x 14½ in. Ozonol Laboratories (1930), Ltd., New Wharf Rd., London, N.1.

SURPLUS. 100 rolls of bromide glossy, grade 3 normal in sealed tins. Each roll 1,000 ft. x 9¾ in. Carbot, Ltd., 201-205 Long Lane, London, S.E.1. Phone Hop 1762.

SURPLUS. Opal jars with bakelite caps, 14 gross, 30 c.c. at 43/- gross. 10 gross amber jars, 1 ounce, at 22/- gross. Ramsons, Valentine & Co., Ltd., 116 Victoria St., London. Phone Victoria 7982.

SURPLUS. Bromide glossy, normal grade 3 in. sheets 9 in. by 7½ in. at 25/- per gross packet post free. Carbot, Ltd., 201-205 Long Lane, London, S.E.1. Phone Hop 1762.

BIOLOGICAL MBL PREPARATIONS

THE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY IDENTICAL WITH THAT OF PRE-WAR PREPARATION

because of our heavy purchases immediately before war broke out. Our stocks are still considerable and the high MBL standard will be fully maintained.

THERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

		Retail Prices (inclusive of Tax)	CHEMISTS' PRICE Per unit Net	+ Purchase Tax	Per dozen Net	+ Purchase Tax
ANTIPEOL						
OINTMENT	4 oz. tube	7/5	4/2½	+ 1/5	50/5	+ 16/10
	40 gr. „	3/8½	2/1½	+ 8½	25/3	+ 8/5
	20 gr. „	2/1	1/2	+ 5	14/-	+ 4/8
LIQUID	40 c.c. bottle	3/8½	2/1½	+ 8½	25/3	+ 8/5
OPHTHALMO-ANTIPEOL						
20 gr. Nozzled Tube		3/8½	2/1½	+ 8½	25/3	+ 8/5
8 gr. „ „		1/9	1/-	+ 4	11/11	+ 4/-
RHINO-ANTIPEOL						
20 gr. Nozzled Tube		3/1	1/9	+ 7	21/-	+ 7/-
8 gr. „ „		1/9	1/-	+ 4	11/11	+ 4/-
ENTEROFAGOS						
Box of 50 ampoules		19/-	13/3½	None	159/7	None
„ 10 „		4/3	3/-	None	35/8	None
„ 5 „		2/6	1/9	None	21/-	None
DETENSYL						
Tin of 500 tablets...		43/-	24/-	+ 8/-	288/-	+ 96/-
Tube of 50 „		4/11	2/8½	+ 11	32/4	+ 10/10
ST. JAMES' BALM						
Tin of approx. 2½ oz.		3/1½	1/11	+ 7½	22/6	+ 7/6
„ „ 1 oz.		1/7	11	+ 4	11/3	+ 3/9

Carriage paid on all orders of 1 dozen or £1 and over.
Terms: NETT, Monthly Account.

MEDICO - BIOLOGICAL LABORATORIES LTD., LONDON, S.E.25

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WHIFFEN & SONS LIMITED are pleased to announce their reduced prices for

Cardophylin

PREPARATIONS

The action of His Majesty's Government in exempting such vital but expensive drugs from Purchase Tax is appreciated, and in order to give the consumer all possible help Whiffen & Sons have selected this occasion to respond to the appeal by Sir Stafford Cripps and reduce their prices of the product. The combined result is to reduce the retail price of a tube of 20 tablets from 4/6 to 3/-, and other sizes in proportion. The opportunity has been taken to adjust trade discounts to bring them into line with present day standards.

NEW PRICES ARE AS FOLLOWS:

	Retail Price	Wholesale Price
TABLETS:		
(Each containing 0.1 gramme)		
Tubes of 20 tablets	3/-	24/- per dozen
Bottles of 100 tablets	13/3	106/- ,, ,,
Bottles of 250 tablets	32/6	260/- ,, ,,
AMPOULES:		
INTRAMUSCULAR		
0.48 gramme in 2 c.c. Boxes of 6 amps. ...	6/6	52/- ,, ,,
INTRAVENOUS		
0.24 gramme in 10 c.c. Boxes of 5 amps. ...	6/6	52/- ,, ,,
SUPPOSITORIES		
0.36 gramme each Boxes of 10 sups.	6/-	48/- ,, ,,

Distributor's Discount 12½%

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The CHEMIST AND DRUGGIST
APRIL 17, 1948

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